MONITOR WITH DVD RECEIVER

KVT-627DVD/627DVDY
KVT-717DVD/737DVD
KVT-747DVD/767DVD
SERVICE MANUAL

KENWOOD

Kenwood Corporation

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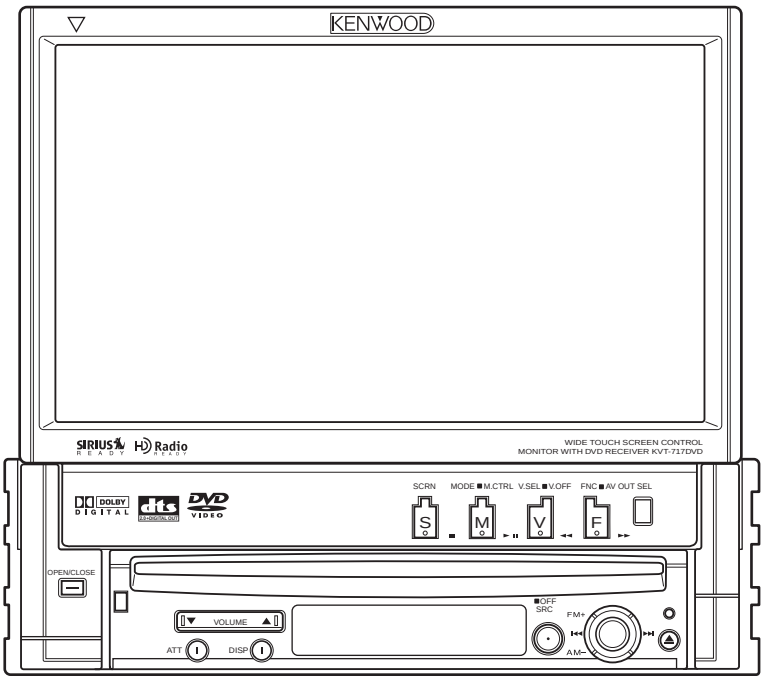
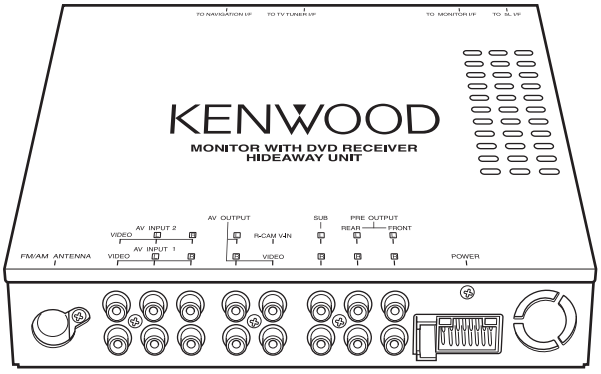
B53-0312-00 (N) 1703





Illustrations is KVT-717DVD

TDF PANEL INFORMATION

MODEL	TDF PANEL No.	TDF NAME
KVT-627DVD/627DVDY	Y33-2330-62	TDF-717DVD
KVT-717DVD/737DVD	Y33-2330-62	TDF-717DVD
KVT-747DVD/767DVD	Y33-2330-62	TDF-717DVD

Remote controller
(A70-2072-05 : RC-DV601)

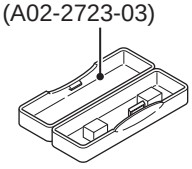
Size AAA battery
Not supplied

Mounting hardware
(J22-0054-14) x2

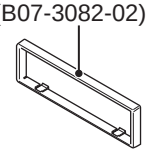
Lever
(D10-4674-04) x2

Screw set
(N99-1753-05)

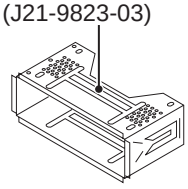
Plastic cabinet assy
(A02-2723-03)



Escutcheon
(B07-3082-02)

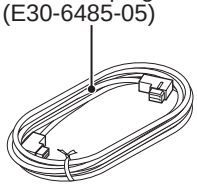


Mounting hardware assy
(J21-9823-03)



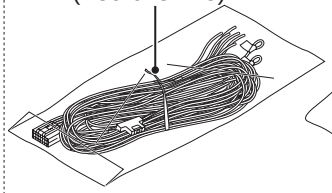
Cord with plug
(E30-6483-05)

Cord with plug
(E30-6485-05)

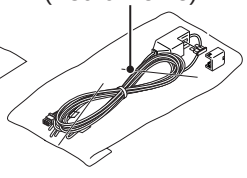


KVT-717DVD/737DVD/747DVD/767DVD only

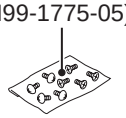
DC cord
(E30-6481-15)



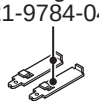
DC cord
(E30-6475-15)



Screw set
(N99-1775-05)

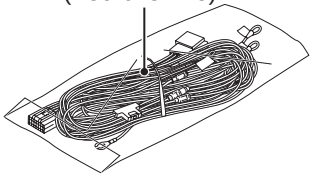


Mounting hardware
(J21-9784-04) x2

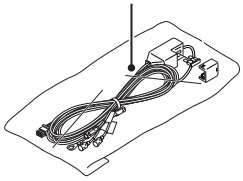


KVT-627DVD/627DVDY only

DC cord
(E30-6482-15)



DC cord
(E30-6474-15)

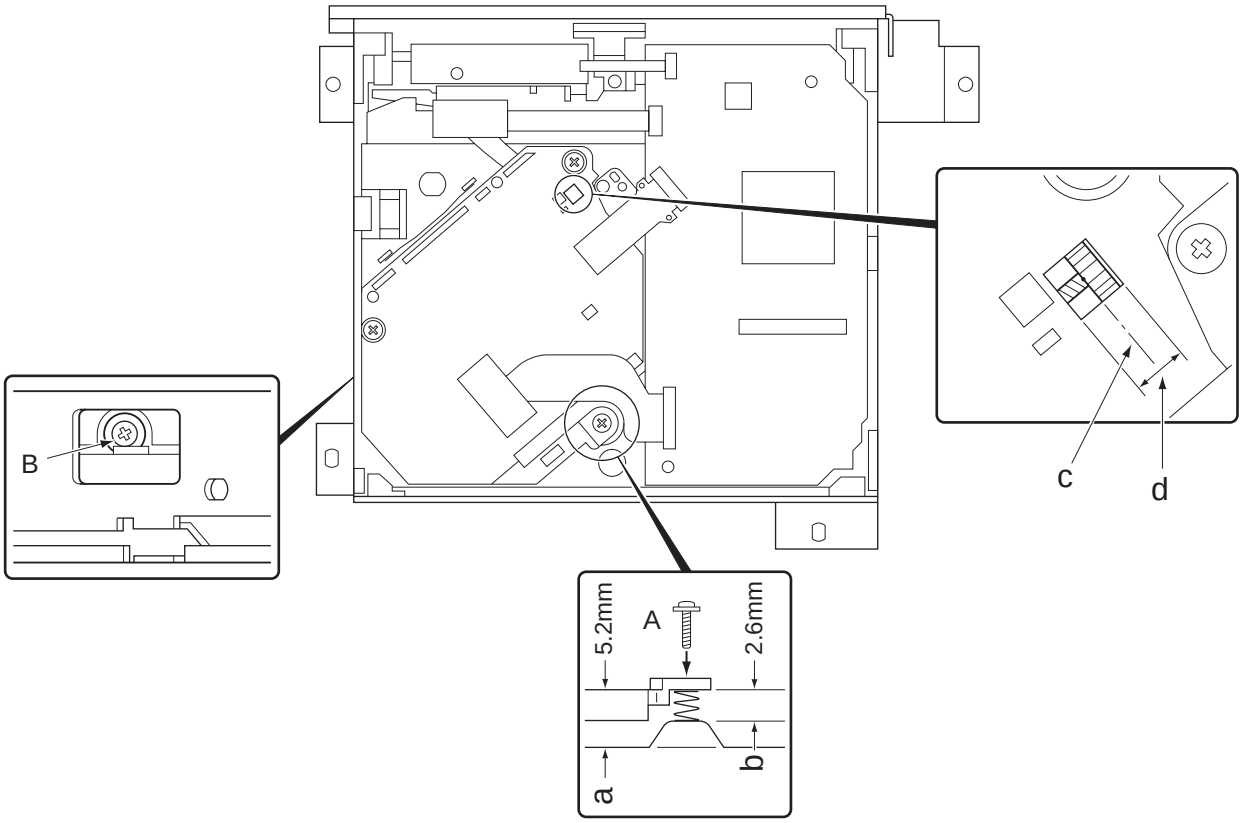


Antena adaptor
(T90-0552-05)

This product uses Lead Free solder.

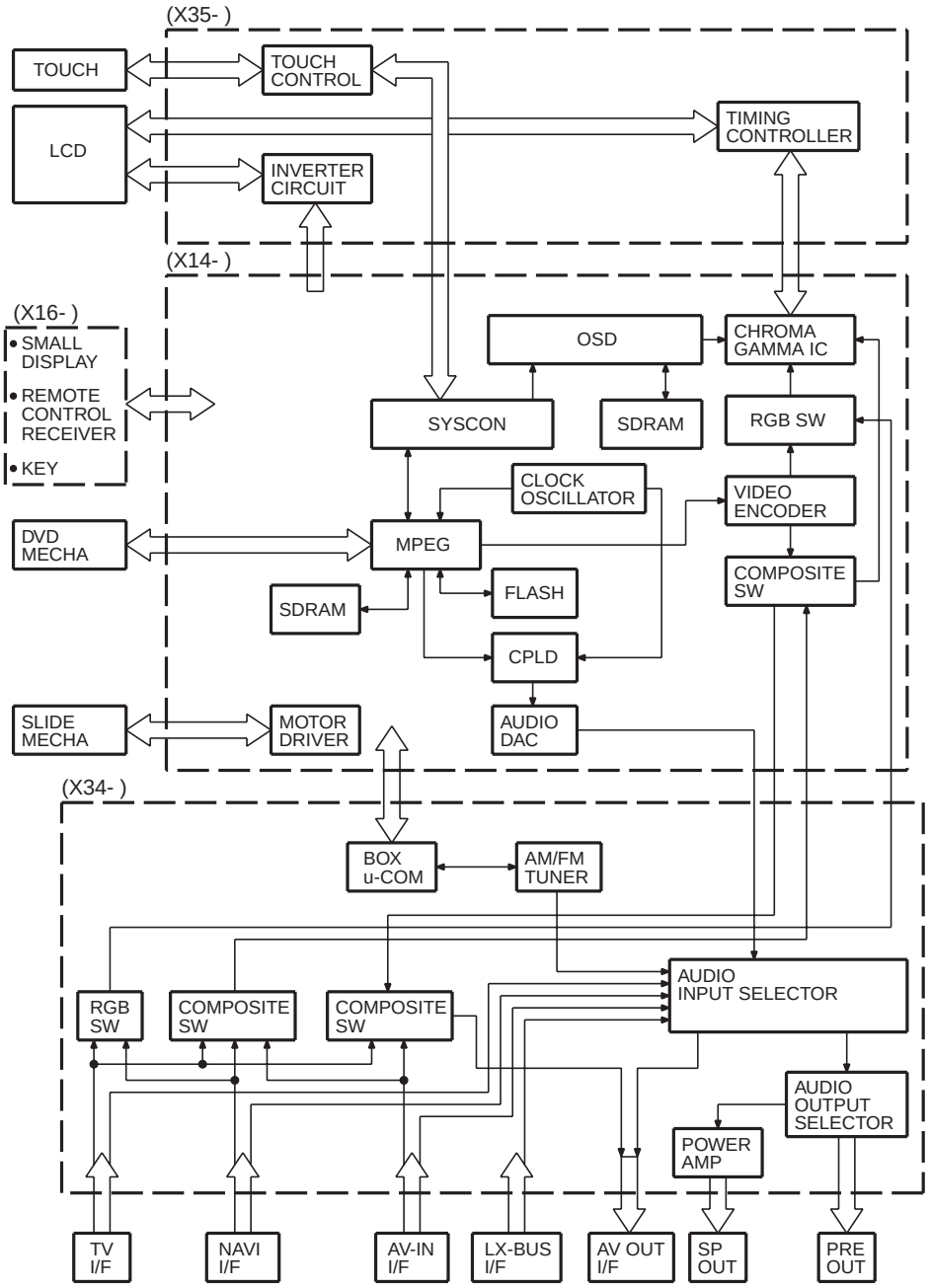
NOTES ON ASSEMBLING THE MECHANISM

1. Fasten Screw A so that the interval (a) will be about 5.2mm and the interval (b) will be about 2.6mm. (The interval (a) can be measured using a pair of vernier calipers or similar tools.)
2. Turn B so that Position (c) will come at about the center of interval (d).
3. Then, play the test disc and fine tune A or B so that the jitter value would be minimized.



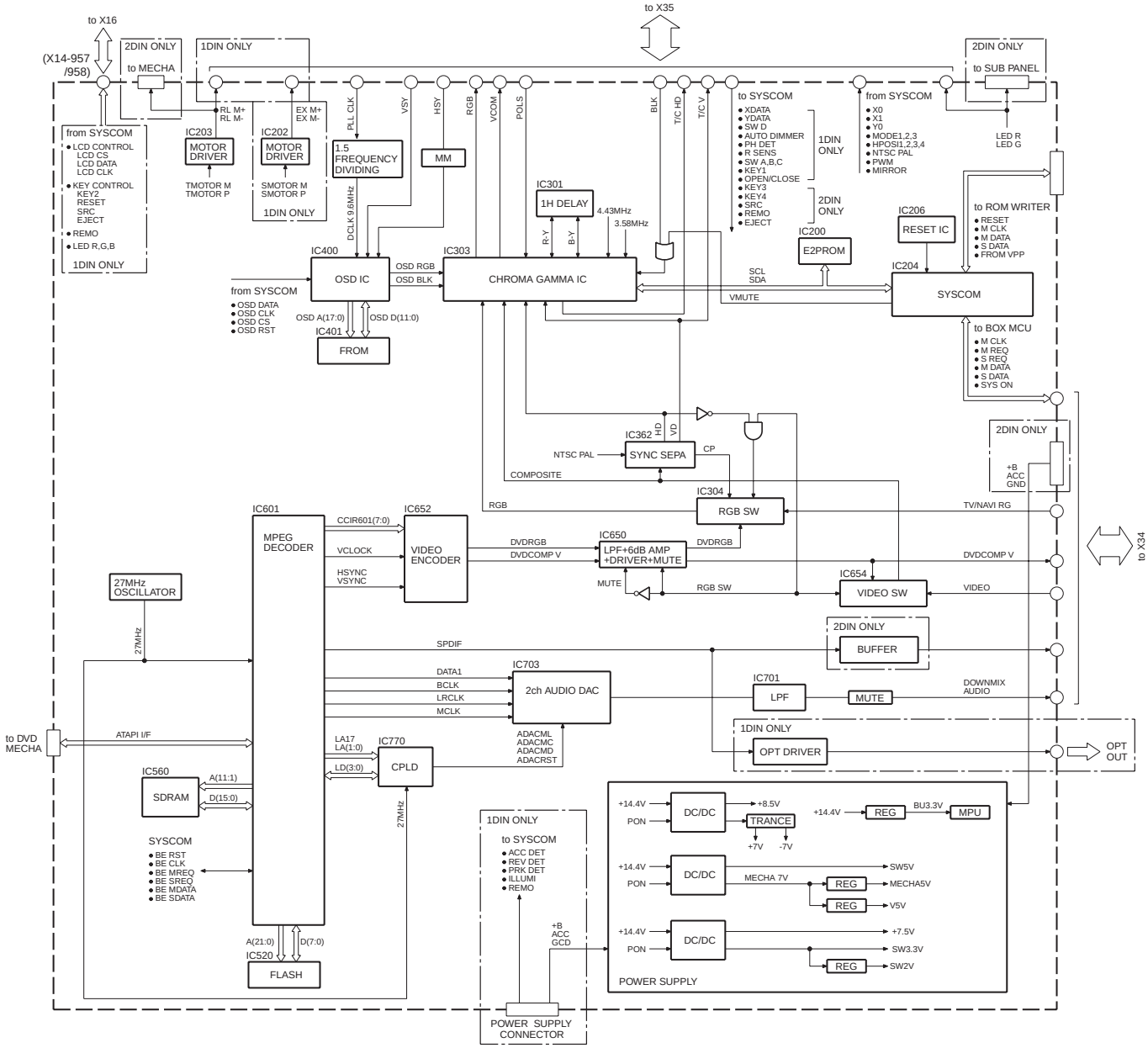
BLOCK DIAGRAM

● **Complete view**



BLOCK DIAGRAM

● **X14-957/958**



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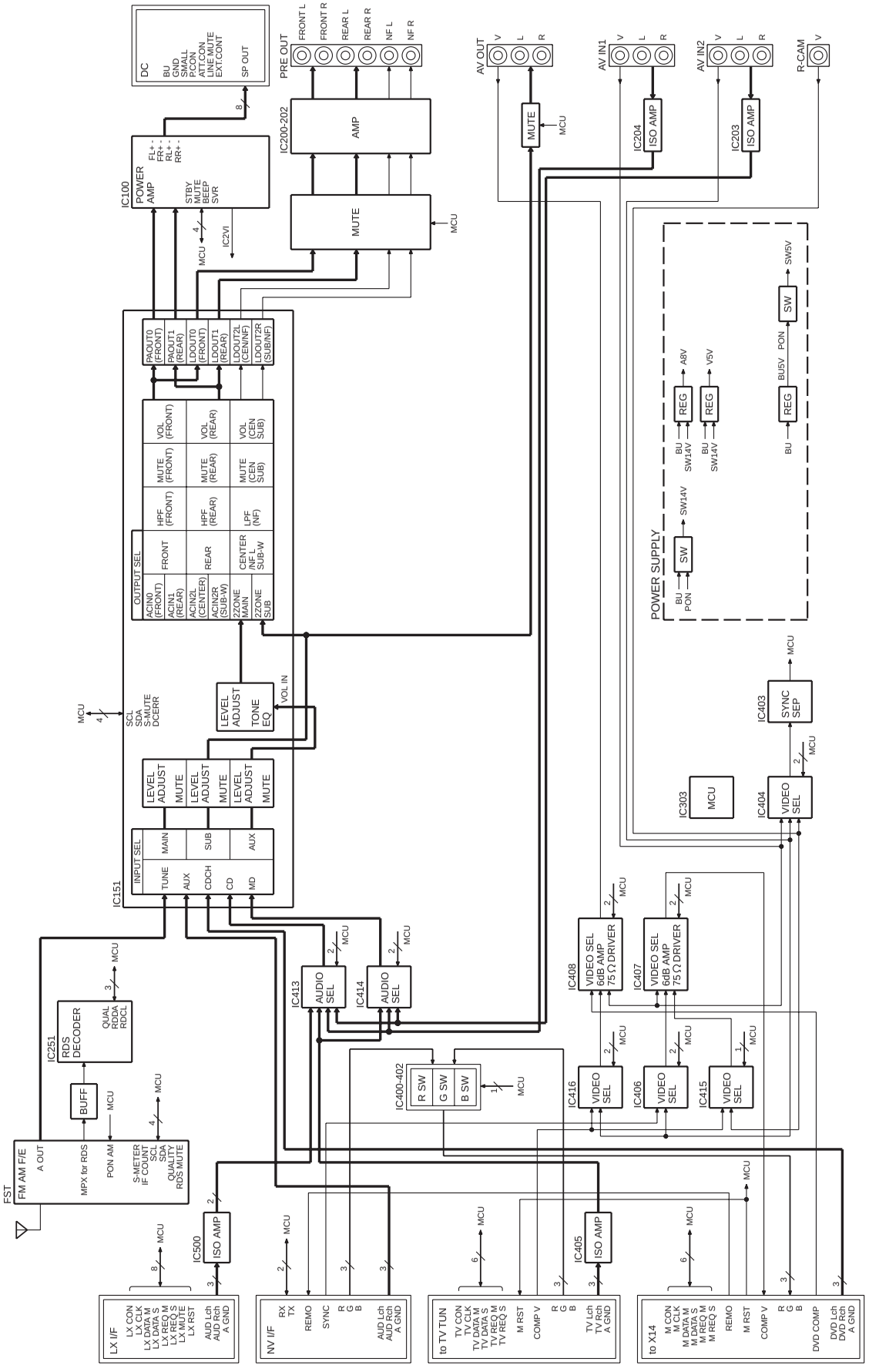
● **X34-353/354**



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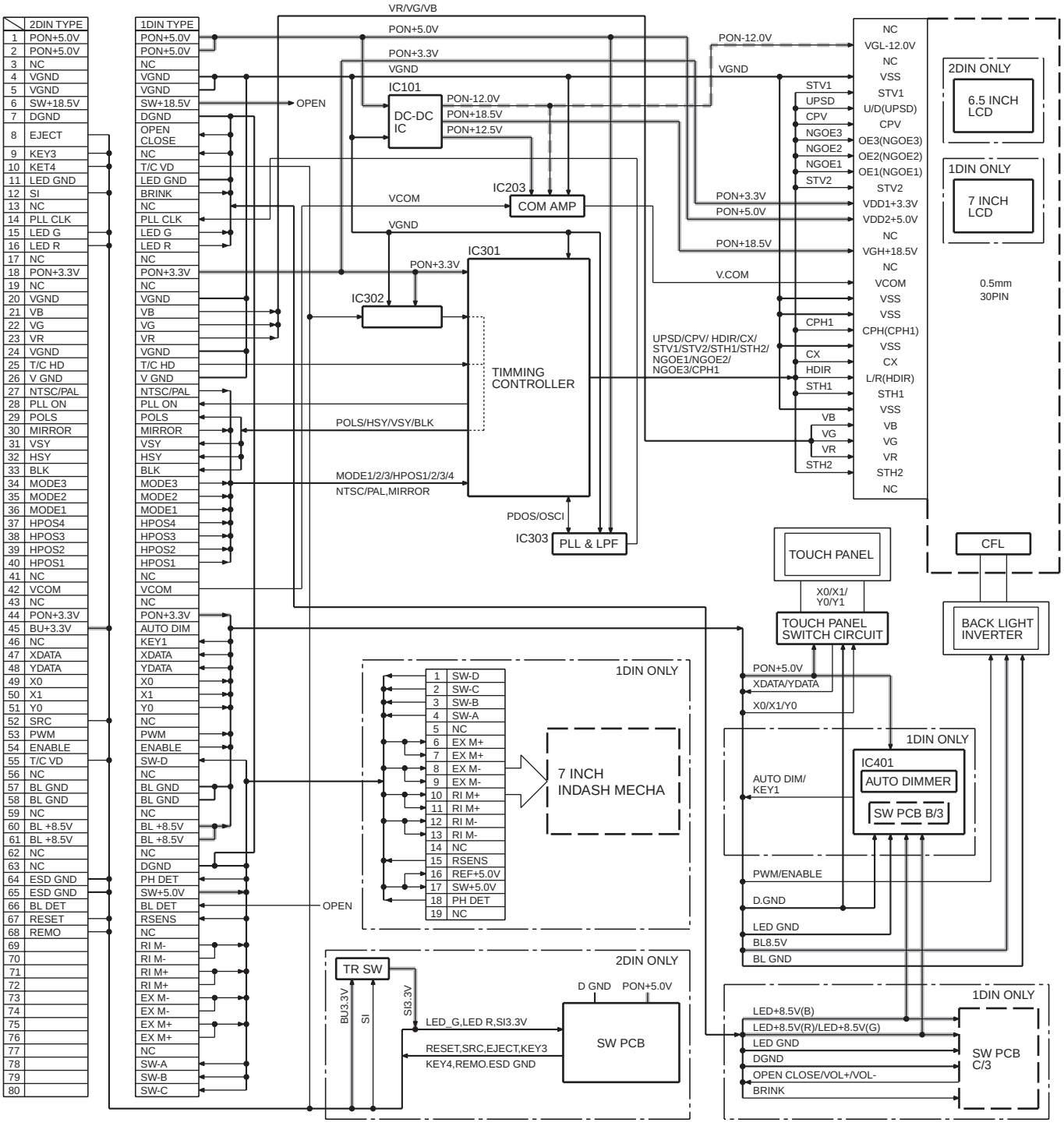
● **X35-448/449**



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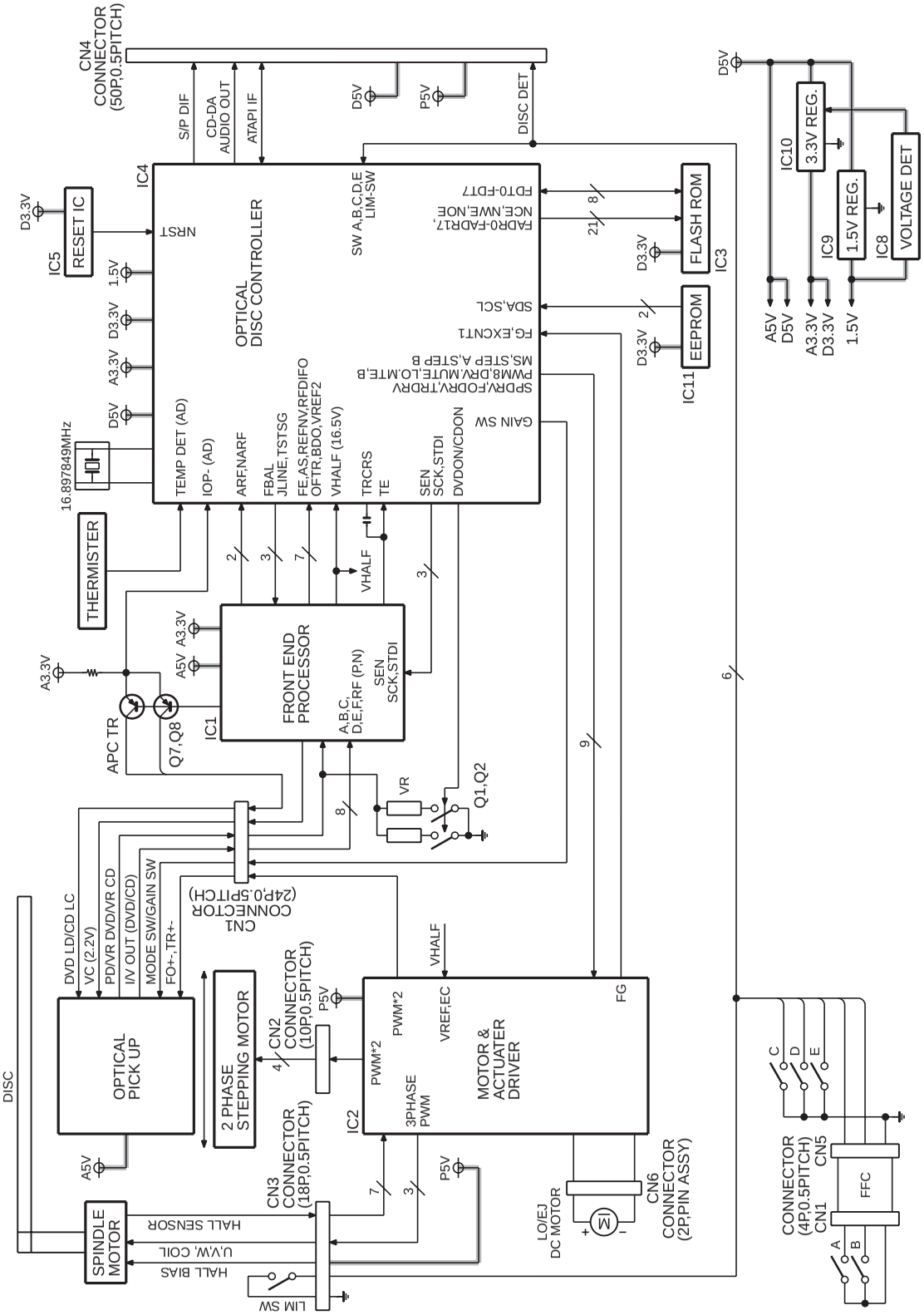
● **X37-107 (DVD mechanism)**



COMPONENTS DESCRIPTION

● VIDEO CONTROL UNIT (X14-957/958x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC100	DC-DC power supply IC	SW5V/MECHA7V control
IC101	DC-DC power supply IC	SW3.3V/MECHA7.5V control
IC102	DC-DC power supply IC	BL8.5V, ±7V control
IC103	Regulator IC	Backup 5V generation
IC104	Regulator IC	Backup 3.3V generation
IC108	Regulator IC	IC601 2V generation
IC200	E2PROM	Memory for μ-com
IC202	Motor driver IC	Sliding mechanism slide control
IC203	Motor driver IC	Sliding mechanism angle control
IC204	System microcomputer	For main unit control
IC205	Logic IC (AND)	AND for remote controller + wired remote-controlled
IC206	Resetting IC	For resetting μ-com
IC207	Logic IC (AND∗4)	For 3.3V → 5V conversion
IC301	Color differential signal 1H-DELAY	For delaying color differential signal for 1H at the time of PAL
IC303	Color liquid crystal panel driving signal processing IC	RGB signal generation for liquid crystal
IC304	RGB switch	For switching DVD signal and RGB signal coming from X34
IC306	Logic IC (Inverter)	For reversing blank signal coming from X35
IC361	Logic IC (NAND)	HD signal reversal buffer
IC362	PLL built-in synchronization separation IC	HD/VD generation from composite signal after synchronization separation
IC363	Logic IC (Buffer)	Buffer for HD signal
IC364	Logic IC (Buffer)	Buffer for VD signal
IC365	Logic IC (Mono-multi)	HD delaying for OSD-IC
IC366	Logic IC (Inverter)	For VD signal reversal
IC400	MOS-IC for on-screen display	For displaying characters and patterns on the monitor screen
IC401	FLASH ROM	ROM for OSD-IC
IC402	Logic IC (NOR)	For frequency dividing of clock for OSD-IC
IC403	Logic IC (D-FF∗4)	For frequency dividing of clock for OSD-IC
IC404	Logic IC (Inverter)	For frequency dividing of clock for OSD-IC
IC405	Logic IC (AND)	For frequency dividing of clock for OSD-IC
IC406	Logic IC (OR)	For frequency dividing of clock for OSD-IC
IC500	Regulator	DVD mechanism 5V generation
IC520	FLASH ROM	For MPEG decoder control program
IC540,541	Logic IC (Inverter)	For 27MHz oscillation
IC560	SDRAM	RAM for temporary storage of decoded signal
IC601	MPEG decoder	IC for decoding MPEG encoded signal
IC650	Video signal LPF + drive IC	For DVD RGB/composite signal
IC651	Regulator	For 5V generation
IC652	Video encoder	Conversion of digital video signal into analog signal
IC654	Video switch	For switching composite signal from DVD composite signal and X34

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC701	Ope amp IC	For audio LPF
IC702	Regulator IC	For audio 5V generation
IC703	DAC for audio	Conversion of digital signal into analog signal
IC750	Logic IC (Inverter)	SPDIF driver
IC770	CPLD	Audio DAC control
IC850	Logic IC (NAND)	For frequency dividing of clock for OSD-IC
Q100	NPN digital transistor	For SW14.4V control
Q101	Small signal NPN transistor	For detection circuit for reduced/excess current
Q102	NPN digital transistor	For detection circuit for reduced/excess current
Q103	Small signal PNP transistor	For detection circuit for reduced/excess current
Q104	Small signal NPN transistor	For detection circuit for reduced/excess current
Q105	Small signal PNP transistor	For detection circuit for reduced/excess current
Q106	FET	For SW14.4V generation
Q107	Small signal NPN transistor	For ACC detection
Q108	PNP digital transistor	For PARK detection
Q109	FET	For SW5V/MECHA7V control
Q110	FET	For SW3.3V/MECHA7.5V control
Q111	FET	For BL8.5V, ±7V control
Q112	NPN digital transistor	For detection circuit for reduced/excess current
Q117	NPN digital transistor	For MECHA7.5/5V switching
Q120	Small signal PNP transistor	For switching μ-com AD conversion reference voltage BU3.3V/SW3.3V
Q121	NPN digital transistor	For switching μ-com AD conversion reference voltage BU3.3V/SW3.3V
Q122	Small signal PNP transistor	For switching μ-com AD conversion reference voltage BU3.3V/SW3.3V
Q123,124	Small signal NPN transistor	For switching μ-com AD conversion reference voltage BU3.3V/SW3.3V
Q125	Small signal NPN transistor	For detection circuit for reduced/excess current
Q126,127	PNP digital transistor	For detection circuit for reduced/excess current
Q128	PNP digital transistor	For SW14.4V control
Q129	Low-frequency general amplification NPN transistor∗2	For SW14.4V control
Q170	NPN digital transistor	For switching DC-DC oscillation frequency
Q172	NPN digital transistor	For switching DC-DC oscillation frequency
Q175	NPN digital transistor	For switching DC-DC oscillation frequency
Q180,181	Small signal NPN transistor	For IC303 7.5V generation (7.5V fluctuates a little)
Q182	Small signal PNP transistor	For IC303 7.5V generation (7.5V fluctuates a little)
Q183	NPN digital transistor	For LLUMI detection
Q184	NPN digital transistor	For REVERSE detection
Q200	NPN transistor	For BLUE_LED control
Q201	PNP digital transistor	For BLUE_LED control
Q202	NPN digital transistor	For GREEN_LED control
Q203	PNP digital transistor	For GREEN_LED control
Q204	NPN digital transistor	For RED_LED control
Q205	PNP digital transistor	For RED_LED control

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
Q206	PNP digital transistor	For resetting
Q207	NPN digital transistor	For resetting
Q208	Small signal PNP transistor	For μ-com input voltage 5V → 3.3V conversion
Q209	Small signal NPN transistor	For μ-com input voltage 5V → 3.3V conversion
Q210	Small signal PNP transistor	For μ-com input voltage 5V → 3.3V conversion
Q211	Small signal NPN transistor	For μ-com input voltage 5V → 3.3V conversion
Q212	Small signal PNP transistor	Temperature compensation for DC-DC external oscillation frequency input clamp
Q213	Small signal NPN transistor	DC-DC external oscillation frequency input clamp
Q214	NPN digital transistor	DC-DC external oscillation frequency input stoppage REF voltage input
Q215	Small signal NPN transistor	DC-DC external oscillation frequency input clamp
Q216	NPN digital transistor	DC-DC external oscillation frequency input stoppage REF voltage input
Q217	Small signal NPN transistor	DC-DC external oscillation frequency input clamp
Q218	NPN digital transistor	DC-DC external oscillation frequency input stoppage REF voltage input
Q300	Small signal PNP transistor	For chroma trap switching at the time of PAL
Q301	NPN digital transistor	For IC304 switching control
Q360	NPN digital transistor	For brightness signal input buffer to IC303
Q361	PNP digital transistor	For color signal input buffer to IC303
Q362	PNP digital transistor	For input signal buffer to IC362
Q363	PNP digital transistor	For IC362 NT/PAL control 3.3V → 5V conversion
Q364	NPN digital transistor	For IC362 NT/PAL control 3.3V → 5V conversion
Q390	Small signal NPN transistor	For IC237 3V generation
Q391	Small signal PNP transistor	For IC237 3V generation
Q400	PNP digital transistor	OSD_R buffer
Q401	PNP digital transistor	OSD_G buffer
Q402	PNP digital transistor	OSD_B buffer
Q404,405	Small signal NPN transistor	For OSD-IC clock amp
Q650	PNP digital transistor	For IC652 resetting 3.3V → 5V conversion
Q651	NPN digital transistor	For IC652 resetting 3.3V → 5V conversion
Q652	NPN digital transistor	For RGB_SW reversal
Q653	NPN digital transistor	For DVD composite muting
Q701,702	Small signal NPN transistor	For audio signal muting
Q703	Small signal NPN transistor	For audio signal muting control
Q704	NPN digital transistor	For audio signal muting control
Q705,706	PNP digital transistor	For audio signal muting control
Q901	Medium pot or amplification PNP transistor	For X16 SW3.3V control
Q902	Small signal NPN transistor	For X16 SW3.3V control
Q904	PNP digital transistor	For X16 SW5V control
Q905,906	NPN digital transistor	For X16 SW5V control

● SUB-CIRCUIT UNIT (X16-303/304x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC201	Remote controller light receptor section	Remote controller light receptor section

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
Q101	For DSI signal switching	DSI signal control
Q204	For LED switching	Switching LED_Blue / LED Green on MINI_LCD
Q205	For LED switching	Switching LED_Blue / LED Red on MINI_LCD
Q206	For LED switching	Switching LED_Red /LED_Green

● ELECTRIC UNIT (X34-353/354x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC50	3-terminal regulator IC	8.4V for audio is generated from BU14V
IC52	Power supply conversion IC	±9.0V for 5V pre-out is generated from BU14V
IC54	3-terminal regulator IC	5V for video is generated from BU14V
IC100	Power IC	Power amplifier for speaker output
IC150	Operational amplifier	Audio mid-point electrical potential 3.3V, SVR voltage 6.8V buffer
IC151	Electrical volume and Selector IC	Audio volume control, audio signal selection
IC200	Operational amplifier	For 5V pre-out audio signal amplification (Front)
IC201	Operational amplifier	For 5V pre-out audio signal amplification (Rear)
IC202	Operational amplifier	For 5V pre-out audio signal amplification (Sub-woofer)
IC203	Isolation amp IC	For audio signal GND isolation (AVIN2)
IC204	Isolation amp IC	For audio signal GND isolation (AVIN1)
IC251	RDS decoder IC	For RDS signal processing and demodulation
IC300	Voltage detector	For μ-com resetting voltage monitoring
IC301	Logic IC (NOR)	Muting control for audio
IC303	Audio microcomputer	For X34 board control
IC400	Video switch	For video signal selection (R)
IC401	Video switch	For video signal selection (G)
IC402	Video switch	For video signal selection (B)
IC403	Synchronization separation IC	For NT/PAL recognition, AVIN/Rear camera auto detection
IC404	Video switch	Video signal selection (Synchronization separation)
IC405	Isolation amp IC	For audio signal GND isolation (TV)
IC406,407	Video switch	Video signal selection (For monitoring main unit)
IC408	Video switch	Video signal selection (For AVOUT)
IC413	Logic IC (Multiplexer)	For audio signal selection (For MAIN source)
IC414	Logic IC (Multiplexer)	For audio signal selection (For 2-ZONE sources)
IC415	Video switch	Video signal selection (For monitoring main unit)
IC416	Video switch	Video signal selection (For AVOUT)
IC500	Isolation amp IC	For audio signal GND isolation (LX)
IC501	Logic IC (Inverter)	For reversing resetting signal
IC502	Logic IC (Buffer)	Buffer for remote control signal for NAVI
IC504	Operational amplifier	For DVD audio signal GND isolation (Right)
IC505	Operational amplifier	For DVD audio signal GND isolation (Left)
Q1	For fan 11V power supply	Comes ON when Q2 is ON
Q2	For fan 11V power supply	Comes ON when Q3 is ON
Q3	For fan 11V power supply	Comes ON when SW5V is ON

COMPONENTS DESCRIPTION

Ref. No.	Application / Function	Operation / Condition / Compatibility
Q4	For fan 11V power supply	For controlling output voltage
Q6	ANT-CONT SW	Comes on when TUNER source is selected
Q7	P-CONT SW	Goes OFF when STANDBY source is selected
Q8~11	For P-CONT circuit control	Controlling P-CONT circuit
Q12	BU detection SW	Comes ON power supply voltage is about 8.8V or more
Q13	For EXT-AMP control	Control of external amplifier
Q14	For surge voltage detection	Comes ON when Q15 is ON
Q15	For surge voltage detection	Comes ON when power supply voltage is about 20V or more
Q50	For ±9V power supply	Comes ON when Q51 is ON
Q51	For ±9V power supply	Comes ON when SW14V is ON
Q52	SW14V power supply SW	Comes on at P-ON
Q54	For BU5V power supply	-
Q55	A8V power supply SW	Comes ON when SW14V is ON
Q58	For BU5V power supply	-
Q59	For A8V power supply	BU14V → 8V for audio is supplied
Q61	V5V power supply SW	Comes ON when SW14V is ON
Q62	SW5V power supply SW	Comes ON at P-ON
Q63	For SW5V power supply	BU5V → SW 5V is supplied
Q64	For V5V power supply	BU14V → 5V for video is supplied
Q65~70	For ±9V power supply	
Q150	SVR6.8V, Audio 3.3V, IC150 power supply SW	Comes ON when SW14V is ON
Q151	For SVR voltage reduction control	Electric current control of SVR voltage reduction circuit
Q152	SVR6.8V, Audio 3.3V, IC150 power supply	Power supply to IC150, voltage supply to Q151
Q200	For audio muting	Audio muting of pre-out front right channel
Q201	For audio muting	Audio muting of pre-out front left channel
Q202	For audio muting	Audio muting of pre-out rear left channel
Q203	For audio muting	Muting at momentary power down, resetting, and audio mute timing
Q204	For audio muting	Audio muting of pre-out rear right channel
Q205	For audio muting	Audio muting of pre-out center channel
Q206	For audio muting	Audio muting of pre-out sub-woofer channel
Q207	For audio muting	Audio muting of AVOUT right channel
Q208	For audio muting	Muting at momentary power down, resetting, and audio mute timing
Q209	For audio muting	Audio muting of AVOUT left channel
Q250	AM power supply SW	Comes ON when AM source is selected
Q252	For AM power supply	Audio 8V is supplied when AM source is selected
Q403,404	Audio selector control SW	Converts IC413 μ-com controlled terminal voltage: 5V → 8V
Q405,406	Audio selector control SW	Converts IC414 μ-com controlled terminal voltage: 5V → 8V
Q500	For reversing resetting signal voltage	Reverses signal in order to obtain resetting signal for TV tuner

COMPONENTS DESCRIPTION

● VIDEO UNIT (X35-448/449x-xx)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	Inverter control IC	Control and drive of inverter circuit for backlight
IC101	DC/DC converter IC	±12V power supply for VCOM amp, -12.0V/+18.5V LCD power supply
IC203	VCOM amp	VCOM signal amplification amp
IC300	Three states buffer	Start pulse switching SW
IC301	Timing controller IC	LCD module control
IC302	AND	V.SYNC delay buffer
IC303	PLL LPF	LPF for PLL control (VT voltage control)
IC401	Dimmer sensor IC	Auto Dimmer detection sensor
Q1	Dimmer SW	ON/OFF control signal of PWM and put on dimmer on backlight
Q2,3	Inverter driver	Inverter circuit driving
Q5	5V AVR	5V power supply for inverter control IC
Q202,203	VCOM driver	VCOM signal buffer
Q300	Switch	For switching IC205
Q301	VCO	For PLL oscillation
Q302,303	Buffer	For PLL clock
Q501	Touch panel Y1 SW	Y0 (X0) SW: Comes ON when inputting to Y (X)-axis and goes OFF when inputting X (Y)-axis
Q502	Touch panel X0/Y1 SW	Y1 SW: Comes ON when inputting to Y-axis and impresses voltage
Q503	Touch panel X1/Y0 SW	X1 SW: Comes ON when detecting panel touch/X-axis input and impresses voltage
Q601	Switch	OPEN/CLOSE key ILLUMI blinking switch

● DVD UNIT (X37-1070-00)

Ref. No.	Application / Function	Operation / Condition / Compatibility
IC1	RF signal processing IC	RF signal processing
IC2	Driver	Driver for motorists/pickup actuators
IC3	FLASH ROM	FW maintenance for optical DISC control IC
IC4	μ-com built-in optical DISC control IC	Optical DISC control in general/ATAPI interface
IC5	Voltage detection IC	For reset of optical DISC control IC
IC8	Voltage detection IC	For monitoring power supply voltage
IC9	S1.5V power supply IC	S5V → S1.5V
IC10	S3.3V power supply IC	S5V → S3.3V
IC11	EEPROM	Data storage for optical DISC control IC
Q1	MOS-FET	DVD laser diode ON/OFF control
Q2	MOS-FET	CD laser diode ON/OFF control
Q7	APC transistor	CD laser diode light emission amount control
Q8	APC transistor	DVD laser diode light emission amount control
Q9	MOS-FET	For CD laser diode protection
Q10	MOS-FET	For DVD laser diode protection
Q11	Resistor built-in transistor	LO-MUTE signal control
Q12	Resistor built-in transistor	FG signal control
Q13	Resistor built-in transistor	BMS signal control
Q14	Resistor built-in transistor	DRMU signal control

MICROCOMPUTER'S TERMINAL DESCRIPTION

● System Microcomputer: 703265YGJ501A (X14: IC204)

Pin No.	Pin Name	Module (physical)	I/O	Application	Processing Operation Description
1	AVREF0				
2	AVSS				
3,4	NC				
5	AVREF1				
6	V_MUTE	VIDEO	O	Video mute	H: MUTE ON
7	HD	VIDEO	I	Graphic	
7	NC		O	OSD	
8	FLMD0	µCOM	I		
9	VDD				
10	REGC				
11	VSS				
12	X1			4.953MHz	
13	X2				
14	RESET	µCOM	I		
15	XT1			32.768kHz	
16	XT2				
17	NC				
18	VD	VIDEO	I	(Graphic)	
18	NC		O	OSD	
19	BU_DET	Power supply	I	Back up detection	H: Reduced electric power detection
20	DISK_DET	DVD_MECHA	I	Disk detection	L: Disc IN
21	ACC_DET	Power supply	I	ACC detection	H: ACC reduced electric power detection
22	MINI_SDATA	PANEL	I	Data input from mini liquid crystal	
23	NC		O		
24	MINI_CLKIN	PANEL	I	Communication clock with mini liquid crystal	
25	BE_MDATA	B/E	O	Data output to B/E-IC	
26	BE_SDATA	B/E	I	Data input from B/E-IC	
27	BE_CLK	B/E	I	Communication clock with B/E-IC	
28	BE_MREQ	B/E	O	Request to B/E-IC	
29	BE_SREQ	B/E	I	Request from B/E-IC	
30	REMO	PANEL	I	Remote controller	
31	S_MUTE	VIDEO	O	Composite signal mute	L: FULL GRAPHIC (OSD), H: OTHER
32	NC				
33	EVSS				
34	EVDD				
35	SDA/E2P_SDA	µCOM	I/O	Access with E2P	
35	SDA/ROM_COR_SDA	µCOM	I/O	Access with E2P at coping with ROM correction	
35	SDA/CHROMA_SDA_SDA	Chroma γ	I/O	Access with chroma γ IC	
36	SCL/E2P_SCL	µCOM	I/O	Access with E2P	
36	SCL/ROM_COR_SCL	µCOM	I/O	Access with E2P at coping with ROM correction	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module (physical)	I/O	Application	Processing Operation Description
36	SCL/CHROMA_SCL	Chroma γ	I/O	Access with chroma γ IC	
37	BE_RST	B/E	O	B/E circuit reset	L: RESET
38	POWER_DET	Power supply	I	8.5V over current detection	H: Abnormality detection
39	BL_DET	INVERTER	I	Backlight abnormality detection	H: Abnormality detection
40	B_PON	Power supply	O	SW14 (BU SW)ON/OFF control	H: ON
41,42	NC		O		
43	FSEL1	Power supply	O	DC-DC IC oscillation frequency switching	
44	FSEL2	Power supply	O	DC-DC IC oscillation frequency switching	
45	FSEL_SW	Power supply	O	Control at DC-DC IC FSEL switching	Normal: H, At FSEL switching: L
46	PON	Power supply	O	Power supply ON/OFF control	H: ON
47	MCNT	Power supply	O	Motor driver voltage switching (MECHA7V) (1DIN)	H: 7V, L: 5V
48	RGB_SW	VIDEO	O	RGB signal switching	L: DVD, H: OTHER
49	OSD_CS	OSD	O	OSD-IC chip select (OSD)	
50	OSD_DATA	OSD	O	Data output to OSD-IC (OSD)	
51	OSD_CLK	OSD	O	Clock output to OSD-IC (OSD)	
52	OSD_RST	OSD	O	Resetting OSD-IC (OSD)	
53	WRT_E2P	μCOM	I	Used for E2P writing	
54	POWER_PWM	Power supply	O	DC/DC-IC oscillation frequency control	PWM output. At FSEL switching stopped. (Output L)
55	JIG_EJ	EXTRA	I	2DIN	
56	PWM	INVERTER	O	Liquid crystal brightness control	
57	STATUS0	JIG	O	For monitor mechanism endurance Jig	
58	STATUS1	JIG	O	For monitor mechanism endurance Jig	
59	PANEL_DET	PANEL	I	Front panel attach/detach detection	H: Detached, L: Attached 2DIN L-fixed
60	STATUS2	JIG	O	For monitor mechanism endurance Jig	
61	SH_MDATA	SH-3	O	Data output to SH-3 μ-com (GRAPHIC)	
62	SH_SDATA	SH-3	I	Data input from SH-3 μ-com (GRAPHIC)	OSD is output
63,64	NC		O		
65	SYS_SREQ	BOX	I	Request from BOX μ-com	
66	SYS_MREQ	BOX	O	Request to BOX μ-com	
67	SYS_ON	BOX	O	BOX μ-com ON/OFF control	H: ON, L: OFF
68	SYS_SDATA	BOX	I	Data input from BOX μ-com	
69	SYS_MDATA	BOX	O	Data output to BOX μ-com	
70	SYS_CLK	BOX	O	Communication clock with BOX μ-com	250kHz
71	MINI_CS/MINI_CS	PANEL	O	Communication with mini liquid crystal	
71	MINI_CS/FLASH_SDATA	μCOM	I	For flash writing	
72	MINI_MDATA/MINI_MDATA	PANEL	O	Communication with mini liquid crystal	
72	MINI_MDATA/SUBLED_SW	PANEL	O	Model without mini liquid crystal LED ON/OFF	HI: ON
72	MINI_MDATA/FLASH_MDATA	μCOM	O	For flash writing	
73	MINI_CLK/MINI_CLK	PANEL	O	Communication with mini liquid crystal	
73	MINI_CLK/FLASH_CLK	μCOM	I	For flash writing	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module (physical)	I/O	Application	Processing Operation Description
74	OPEN_CLOSE/OPEN_CLOSE	PANEL	I	OPEN_CLOSE key (1DIN)	L: ON
74	OPEN_CLOSE/EJECT	PANEL	I	Tilt mechanism OPEN/CLOSE and eject (2DIN)	L: ON
75	SRC	PANEL	I	Source key	L: ON
76	EJECT	PANEL	I	Eject key (1DIN)	L: ON 2DIN HI-fixed input
77	MINI_PON	PANEL	O	MINI liquid crystal Power supply control	H: ON, L: OFF
78	DSI	PANEL	O	DSI control (1DIN)	
79	ILL_DET	Power supply	I	ILLUMI detection	H: Normal, L: Detect
80	PAK_DET	Power supply	I	Parking detection	H: Normal, L: Detect
81	REV_DET	Power supply	I	Reverse detection	H: Normal, L: Detect
82~84	NC		O		
85	SH_INI	SH-3	O	(GRAPHIC)	
86	SH_STBY	SH-3	I	(GRAPHIC)	
87	SH_SREQ	SH-3	I	Request from SH-3 μ-com (GRAPHIC)	
88	SH_MREQ	SH-3	O	Request to SH-3 μ-com (GRAPHIC)	
89	SH_CON	SH-3	O	(GRAPHIC)	
90	SH_RST	SH-3	O	SH-3 μ-com resetting (GRAPHIC)	
91	TOUCH	SH-3	I	(GRAPHIC)	
92	TOUCH_EN	SH-3	O	(GRAPHIC)	
93	NAVI_L	VIDEO	O		L: NAVI, H: OTHER
94~97	TYPE0~TYPE3	EXTRA	I	Destination setting	Refer to destination setting
98	SUBLED_OFF	Other X35	O	2DIN disc LED control (2DIN)	
99	TMOTOR_M	1DIN_MECHA	O	Monitor mechanism tilt control (1DIN)	
99	TILT_UP	2DIN_MECHA	O	Tilt mechanism control (2DIN)	
100	TMOTOR_P	1DIN_MECHA	O	Monitor mechanism tilt control (1DIN)	
100	TILT_DOWN	2DIN_MECHA	O	Tilt mechanism tilt control (2DIN)	
101	SMOTOR_M	1DIN_MECHA	O	Monitor mechanism slide control (1DIN)	
102	SMOTOR_P	1DIN_MECHA	O	Monitor mechanism slide control (1DIN)	
103	BVSS				
104	BVDD				
105	SW_A	1DIN_MECHA	I	Monitor mechanism detection(1DIN)	2DIN is OUT
106	SW_B	1DIN_MECHA	I	(1DIN)	2DIN is OUT
107	SW_C	1DIN_MECHA	I	Monitor mechanism detection	2DIN is OUT
108	SW_D	1DIN_MECHA	I	Monitor mechanism detection	2DIN is OUT
109	ENABLE	INVERTER	O	Backlight ON/OFF control	H: ON
110	FLMD1	μCOM	I		
111	Y0	Touch panel	O	Touch panel control (OSD)	
112	X1	Touch panel	O	Touch panel control (OSD)	
113	X0	Touch panel	O	Touch panel control (OSD)	
114~117	HPOS1~HPOS4	LCD	O	Display position control	
118~120	MODE1~MODE3	LCD	O	Aspect setting	
121	MIRROR	LCD	O	Rear monitor mirror control	

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module (physical)	I/O	Application	Processing Operation Description
122	ILL_R	PANEL	O	Key ILLUMI red ON/OFF	H: ON, L: OFF
123	ILL_G	PANEL	O	Key ILLUMI green ON/OFF	H: ON, L: OFF
124	ILL_B	PANEL	O	Mini liquid crystal backlight blue ON/OFF	H: ON, L: OFF
125	NTSC_PAL	VIDEO	O	LCD output signal NT/PAL identification output	H: PAL, L: NTSC
126	LED_SW/SI	Other X35	O	LED blinking control at OPEN/CLOSE (1DIN)	H: Light turn ON, L: Light turned OFF
126	LED_SW/SI	Other X35	O	SI control (2DIN)	H: Light turn ON, L: Light turned OFF
127	LCD_PON	LCD	O	LCD power supply ON/OFF control	H: ON
128~134	NC		O		
135	TL_DET	Power supply	I	Power supply reduced electric power detection	
136	KEY1	PANEL	I	4 key monitor mechanism section (1DIN)	
137	KEY2	PANEL	I	8 key attach/detach panel section (1DIN)	
138	KEY3	PANEL	I	6 key panel section (2DIN)	
139	KEY4	PANEL	I	6 key panel section (2DIN)	
140	R_SENS	1DIN_MECHA	I	Monitor mechanism tilt sensor (1DIN)	
140	R_SENS	2DIN_MECHA	I	Tilt mechanism tilt sensor (2DIN)	
141	PH_DET	1DIN_MECHA	I	Monitor mechanism slide detection (1DIN)	
142	AUTO_DIM	Other X35	I	Auto dimmer input	
143	YDATA	Touch panel	I	Touch data input (OSD)	
144	XDATA	Touch panel	I	Touch data input (OSD)	

Destination setting of GRAPHIC model and OSD model

CLASSIFICATION	CATEGORY	MODEL NAME	DESTINATION	TYPE3	TYPE2	TYPE1	TYPE0
GRAPHIC	1DIN	KVT-817DVD	K	0	0	0	1
		KVT-827DVD	E	0	0	1	0
		KVT-837DVD	M	0	0	1	1
		KVT-847DVD/867DVD	V/X	0	1	0	0
	2DIN	DDX8017	K	1	0	0	1
		DDX8027	E	1	0	1	0
		DDX8037	M	1	0	1	1
		DDX8047/8067	V/X	1	1	0	0
OSD	1DIN	KVT-717DVD	K	0	0	0	1
		KVT-627DVD/727DVD	E	0	0	1	0
		KVT-737DVD	M	0	0	1	1
		KVT-747DVD/767DVD	V/X	0	1	0	0
		KVT-747DVD	R	0	1	1	1
	2DIN	DDX7017	K	1	0	0	1
		DDX6027	E	1	0	1	0
		DDX7037	M	1	0	1	1
		DDX7047/7067	V/X	1	1	0	0
		DDX7047	R	1	1	1	1

MICROCOMPUTER'S TERMINAL DESCRIPTION

● Audio Microcomputer: 703030YGCJ13A (X34: IC303)

Pin No.	Pin Name	Module (physical)	I/O	Application	Truth Value Table	Processing Operation Description
1	TV_CON	TV	O	Startup requests to TV unit		H: TV unit ON, L: TV unit OFF
2	TUN_SCL	FST	I/O	F/E I2C clock output terminal		
3	NAVI1_RX	NAVI	I	Data from navigation 1		
4	NAVI1_TX	NAVI	O	Data to navigation 1		
5	VISUAL_SW5_1	Visual	O	TV/AVIN2 video switching	⑬	Refer to truth value table
6	EVDD	µCOM				
7	EVSS	µCOM				
8	RGB_SW1	Visual	O	TV/NAVI1/NAVI2 RGB video switching	⑩	Refer to truth value table
9	RGB_SW2	Visual	O	TV/NAVI1/NAVI2 RGB video switching	⑩	Refer to truth value table
10	VSYNC_DET	Visual	I	Vertical synchronization signal detection (for automatic detection of AVIN2)		
11	VISUAL_SW4	Visual	O	TV/Rear view camera video switching	⑫	Refer to truth value table
12	SYS_MDATA	to X14	I	Data from system control µ-com		
13	SYS_SDATA	to X14	O	Data to system control µ-com		
14	SYS_MCLK	to X14	I	Clock from system control µ-com		
15	VSYNC_SW1	Visual	O	Switching for monitoring of NTSC/PAL identification COMP signal and AUTO detection COMP signal	⑭	
16	VISUAL_SW3_2	Visual	O	NAVI1/NAVI2/AVIN1 video switching	⑪	Refer to truth value table
17	PWIC_BEEP	POWER-IC	O	Beep output		
18	IC/VPP	µCOM				
19	VISUAL_SW3_1	Visual	O	NAVI1/NAVI2/AVIN1 video switching	⑪	Refer to truth value table
20	VISUAL_SW2_2	Visual	O	SW5 (or TV)/AVIN2/DVD video switching	⑨	
21	VISUAL_SW2_1	Visual	O	SW5 (or TV)/AVIN2/DVD video switching	⑨	
22	VISUAL_SW1_2	Visual	O	AVIN2/SW5 (or TV)/ SW3 (or NAVI1) video switching	⑧	
23	VISUAL_SW1_1	Visual	O	AVIN2/SW5 (or TV)/ SW3 (or NAVI1) video switching	⑧	
24	VISUAL_SW5_2	Visual	O	TV/AVIN2 video switching	⑬	Refer to truth value table
25	RDS_DATA	RDS	I	RDS decoder DATA input		
26	RDS_QUAL	RDS	I	RDS decoder QUAL input		
27	P_ON_AM	FST	O	AM power supply ON/OFF control		H: ON (When AM is selected), L: Normal
28	RDS_AFS	FST	I/O	Noises detection constant switching		
29	NC		O			
30	MUTE_PRE	MUTE	O	Muting for PREOUT		L: MUTE ON, H: Normal
31	RESET	µCOM				
32	XT1	µCOM				
33	XT2	µCOM				

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module (physical)	I/O	Application	Truth Value Table	Processing Operation Description
34	REGC	µCOM				
35	X2	µCOM				
36	X1	µCOM				
37	VSS	µCOM				
38	VDD	µCOM				
39	CLKOUT	µCOM				
40	MUTE_AVOUT	MUTE	O	Muting for AVOUT		L: MUTE ON, H: Normal
41	AUDIO_SW1_A	Audio	O	LX/NAVI1/SW3 (or TV)/ AVIN1 audio switching (for main)	①	Refer to truth value table
42	AUDIO_SW1_B	Audio	O	LX/NAVI1/SW3 (or TV)/ AVIN1 audio switching (for main)	①	Refer to truth value table
43	AUDIO_SW2_A	Audio	O	TV/AVIN1/AVIN2 audio switching (for sub)	②	Refer to truth value table
44	AUDIO_SW2_B	Audio	O	TV/AVIN1/AVIN2 audio switching (for sub)	②	Refer to truth value table
45,46	NC		O			
47	VSYNC_SW2	Visual	O	Switching for monitoring of NTSC/PAL identification COMP signal and AUTO detection COMP signal	⑭	
48	NC		O			
49	P_ON	Power supply	O	SW5V→SW14V power supply ON/OFF control		H: ON, L: Normal
50	ANT_CONT	DC-CN	O	Power antenna control		Hi when selecting FMAM→Antenna UP H: Antenna UP, In other cases Low→Antenna DOWN
51	EXT_CONT	DC-CN	O	External amp control		
52	P_CON	DC-CN	O	External amp power supply control		Hi: During POWER ON (Does not come ON during STANDBY) Low: During STANDBY or POWER OFF
53	PWIC_MUTE	POWER-IC	O	POWER-IC muting control		L: MUTE ON (During POWER/ACC OFF, STANDBY, and at momentary power down)
54	PWIC_STBY	POWER-IC	O	POWER-IC standby control		H: POWER ON, L: POWER OFF
55	BVDD	µCOM				
56	BVSS	µCOM				
57	NC		O			
58	MUTE_0	IC2 VI	O	Muting for IC2 VI OUT0		L: MUTE ON, H: MUTE OFF
59	MUTE_1	IC2 VI	O	Muting for IC2 VI OUT1		L: MUTE ON, H: MUTE OFF
60	MUTE_2	IC2 VI	O	Muting for IC2 VI OUT2		L: MUTE ON, H: MUTE OFF
61	TYPE4	TYPE	I	Destination setting	⑦	Refer to truth value table
62	MUTE_C	IC2 VI	O	Muting for IC2 VI MUX_C		L: MUTE ON, H: MUTE OFF
63	EEPROM_SDA	EEPROM	I/O	Data for EEPROM (ROM correction)		
63	AUD_SDA	IC2 VI	I/O	Data for IC2 VI		

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module (physical)	I/O	Application	Truth Value Table	Processing Operation Description
64	EEPROM_SCL	EEPROM	I/O	Clock for EEPROM (ROM correction)		
64	AUD_SCL	IC2 VI	I/O	Clock for IC2 VI		
65	LX_CON	LX_M	O	Startup request for slave unit		H: Slave unit ON, L: Slave unit OFF
66	LX_REQ_M	LX_M	O	Communication request for slave unit		
67	LX_MUTE	LX_M	I	MUTE request from slave unit		H: MUTE ON, L: MUTE OFF
68	LX_RST	LX_M	O	Hard resetting to slave unit		H: Reset, L: Normal
69	SYS_MREQ	to X14	I	Request from system control µ-com		
70	SYS_SREQ	to X14	O	Request to system control µ-com		
71	AVDD	µCOM				
72	AVSS	µCOM				
73	AVREF	µCOM				
74	DC_ERR	IC2 VI	I	DC offset detection		When detected: Low
75	LINE_MUTE	DC-CN	I	LINE MUTE detection		Normal: 1.6V, TEL MUTE: 1V or lower NAVI MUTE: 2.5V or higher
76	TYPE2	Type	I	Destination setting	⑦	Refer to truth value table
77	TYPE1	Type	I	Destination setting	⑦	Refer to truth value table
78	TYPE0	Type	I	Destination setting	⑦	Refer to truth value table
79	OEM_TYPE1	OEM	I	OEM destination setting	⑥	Refer to truth value table
80	OEM_TYPE0	OEM	I	OEM destination setting	⑥	Refer to truth value table
81	EEPROM_WRT	EEPROM	I	Write detection at ROM correction		When writing to E2PROM from outside, Hi is input with a jig (Common use SCL and SDA will stop operation) In other cases, Low (Pull-down)
82	TYPE3	Type	I	Destination setting	⑦	Refer to truth value table
83	TUN_IFC_OUT	FST	I	F/E IFC OUT input terminal		H: With station, L: No station
84	TUN_SMETER	FST	I	S-meter input		
85	RDS_NOISE	FST	I	FM noise detection		
86	TV_SDATA	TV	I	Data from TV unit		
87	BU_DET	DC-CN	I	Backup reduced electric power detection		Low at 8.8V or higher Hi at reduced electric power (8.8V or lower)
88	LX_REQ_S	LX_M	I	Communication requests from slave unit		
89	SYS_ON	to X14	I	ON/OFF control from system control µ-com		H: Box unit ON, L: Box unit OFF
90	TV_SREQ	TV	I	Requests from TV unit		
91	TV_MDATA	TV	O	Data to TV unit		
92	TV_MREQ	TV	O	Requests from TV unit		
93	RDS_CLK	RDS	I	RDS decoder CLK input		
94	FLASH_SI	FLASH	I	Data input at the flash writing		
94	LX_DATA_S	LX_M	I	Data from slave unit		
95	FLASH_SO	FLASH	O	Data output at flash writing		

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	Module (physical)	I/O	Application	Truth Value Table	Processing Operation Description
95	LX_DATA_M	LX_M	O	Data to slave unit		
96	FLASH_CLK	FLASH	I	CLK input at flash writing		
96	LX_CLK	LX_M	I/O	LX BUS clock		
97	NC		O			
98	TV_JUDGE	TV	I	TV tuner old/new identification		H: Old, L: New
99	TV_CLK	TV	O	Clock to TV unit		
100	TUN_SDA	FST	I/O	F/E I2C data input/output terminal		

① Audio Selector 1 (TC4052BFT)

AUDIO_SW1_A	AUDIO_SW1_B	Output	
L	L	IN3	AVIN1
H	L	IN2	TV
L	H	IN1	AVIN2
H	H	IN0	LX

∗ Input is reversed by transistor before entering selector.

② Audio Selector 2 (TC4052BFT)

AUDIO_SW2_A	AUDIO_SW2_B	Output	
L	L	IN3	AVIN2
H	L	IN2	AVIN1
L	H	IN1	TV
H	H	IN0	Not used

∗ Input is reversed by transistor before entering selector.

⑥ Destination setting for OEM

Destination	TYPE0	TYPE1
Marketing	0	0
OEM1	0	1
OEM2	1	0
EU Installation	1	1

⑦ TYPE4, TYPE3, TYPE2, TYPE1, TYPE0

Category	Model	Destination	TYPE4	TYPE3	TYPE2	TYPE1	TYPE0
1DIN	KVT-717DVD	K	0	0	0	0	1
	KVT-627DVD	E	0	0	0	1	0
	KVT-737DVD	M	0	0	0	1	1
	KVT-767DVD	V	0	0	1	0	0
	KVT-747DVD	X	0	0	1	0	1
	KVT-747DVD	R	0	0	1	1	1
2DIN	DDX7017	K	Reserve	1	0	0	1
	DDX7027	E	Reserve	1	0	1	0
	DDX7037	M	Reserve	1	0	1	1
	DDX7067	V	Reserve	1	1	0	0
	DDX7047	X	Reserve	1	1	0	1
	DDX7047	R	Reserve	1	1	1	1

∗ Reserve terminal is pulled down.

MICROCOMPUTER'S TERMINAL DESCRIPTION

⑧ Video Selector 1 (MM1228XFBE)

VISUAL_SW1_1	VISUAL_SW1_2	Output	
L	L	IN1	AVIN1
H	L	IN2	SW4
L/H	H	IN3	SW3 (or NAVI)

⑨ Video Selector 2 (MM1228XFBE)

VISUAL_SW2_1	VISUAL_SW2_2	Output	
L	L	IN1	AVIN1
H	L	IN2	SW5 (or TV)
L/H	H	IN3	DVD

⑩ RGB_SW (MM1503 or MM1508 or MM1228)

RGB_SW1	RGB_SW2	Output	
L	L	IN1	NAVI
H	L	IN2	TV
L/H	H	IN3	MUTE

⑪ Video Selector 3 (BA7652AF)

VISUAL_SW3_1	VISUAL_SW3_2	Output	
L	L	IN1	NAVI
H	L	IN2	AVIN2
L	H	IN3	Not used
H	H	MUTE	-

⑫ Video Selector 4 (MM1503)

VISUAL_SW4	Output	
L	IN1	TV
H	IN2	Rear view

⑬ Video Selector 5 (BA7652AF)

VISUAL_SW5_1	VISUAL_SW5_2	Output	
L	L	IN1	TV
H	L	IN2	AVIN2
L	H	IN3	Not used
H	H	MUTE	-

⑭ VSYNC Selector (BA7652AF)

VSYNC_SW1	VSYNC_SW2	Output	
L	L	IN1	AVIN2
H	L	IN2	CAMERA
L	H	IN3	AVIN1
H	H	MUTE	-

About muting of composite signal to X14

- Video Selector 1 is set to SW3 and Video Selector 3 is set to MUTE. Mute timing is at full OSD.

MICROCOMPUTER'S TERMINAL DESCRIPTION

● Disc Controller Microcomputer: MN103S71F (X37: IC4)

Pin No.	Pin Name	I/O	Application
1	SW_2	I	8cm Ej-STOP, Lo-START detection
2	SW_3	I	Lo-START detection
3	CDON	O	CD-LD ON
4	VDD3	-	VDD (3.3V)
5	VSS	-	VSS
6	FG	I	Motor FG input
7	SW_4	I	Lo-END detection
8,9	FADR17,18	O	Address output to FLASH
10	FADR11	O	Address output to FLASH
11	FADR9	O	Address output to FLASH
12	VDD15	-	VDD (1.5V)
13	FADR8	O	Address output to FLASH
14,15	FADR13,14	O	Address output to FLASH
16	NWE	O	Right signal output to FLASH
17,18	FADR16,15	O	Address output to FLASH
19	DRAMVDD15	-	DRAM power supply (1.5V)
20	DRAMVSS	-	VSS for DRAM
21	VSS	-	VSS
22	FADR12	O	Address output to FLASH
23~30	FADR7~0	O	Address output to FLASH
31	VSS	-	VSS
32	VDD3	-	VDD (3.3V)
33~40	FDT0~7	I/O	Data input/output with FLASH
41	NCE	O	Chip select signal output to FLASH
42	FADR10	O	Address output to FLASH
43	NOE	O	Read signal output to FLASH
44	MMOD	I	Test mode switching signal
45	NRST	I	Reset input
46	VSS	-	VSS
47	SCLOCK	I/O	Dwire clock terminal
48	SDATA	I/O	Dwire data terminal
49	TxD/EXTRG0	I/O	Serial transmission/ Dwire trigger terminal
50	RxD/EXTRG1	I/O	Serial reception/ Dwire trigger terminal
51	VDD3	-	VDD (3.3V)
52	OSCI	I	Oscillation input (16.897849MHz)
53	OSCO	O	Oscillation output (16.897849MHz)
54	VSS	-	VSS

Pin No.	Pin Name	I/O	Application
55	OFS_TE	O	CD TE offset cancel output
56	DRV1	O	Drive output for spindle drive
57	DRV2	O	Focus balance adjustment output
58	DVDON	O	DVD-LD ON
59	STEP_A	O	Thread control output A
60	STEP_B	O	Thread control output B
61	Lo/Ej	O	Lo/Ej control terminal
62	LO.MUTE	O	Lo/Ej mute terminal
63	VSS	-	VSS
64	DRV.MUTE	O	Driver mute control
65	BMS	O	Spindle short brake control
66	LIM-SW	I	LIM-SW detection
67	Gain_SW	O	PDIC Gain switching
68	FEPCK	O	FEP clock output
69	FEPDT	O	FEP data output
70	FEPEN	O	FEP enable signal
71	DRAMVSS	-	VSS for DRAM
72	DRAMVDD15	-	DRAM power supply (1.5V)
73	DRAMVDD33	-	DRAM power supply (3.3V)
74	VDD3	-	VDD (3.3V)
75	FG	I	Motor FG input
76	TX	O	Output for digital OUT
77	VDD15	-	VDD (1.5V)
78	VSS	-	VSS
79	TSTSG	O	EQ calibration signal
80	VFOSHORT	O	Not used.
81	JLINE	O	J-line setting output
82	BDO	I	Dropout signal input
83	OFTR	I	Off-track signal input
84	AVSSD	-	VSS for analog
85	ROUT	O	MASH Rch audio output
86	LOUT	O	MASH Lch audio output
87	AVDDD	-	VDD (3.3V) for analog
88	VCOF	I	JFVCO control voltage
89	TRCRS	I	Track loss generation signal input
90	AVDDC	-	VDD (3.3V) for analog
91	WBLIN	I	WBL input
92	CSLFLT	I	Not used
93	RFDIF	I	Not used

MICROCOMPUTER'S TERMINAL DESCRIPTION

Pin No.	Pin Name	I/O	Application
94	AVSSC	-	VSS for analog
95	PLFLT2	I	Condenser 2 for PLL
96	PLFLT1	I	Condenser 1 for PLL
97	AVSSB	-	VSS for analog
98	ARF	I	Equivalent RF+ input
99	NARF	I	Equivalent RF- input
100	VHALF	I	Reference voltage 1.65V input
101	RV1	I	VREFH register for reference current power supply
102	VREFH	I	Reference voltage 2.2V input
103	DSLF2	I	Condenser 2 for DSL
104	DSLF1	I	Condenser 1 for DSL
105	AVDDB	-	VDD (3.3V) for analog
106	JITOUT	O	For jitter monitor
107	AVDDA	-	VDD (3.3V) for analog
108	TECAPA	I	Not used
109	AD0 (FE)	I	FE input
110	AD2 (AS)	I	AS input
111	AD1 (TE)	I	TEph/TE3b input
112	AD3 (ENV)	I	RF envelop input
113	AD4 (RFDIFO)	I	Push-pull TE input
114	AD5	I	Focus drive AD input
115	AD6	I	Tracking drive AD input
116	AD7 (IOP)	I	Laser diode current measurement
117	AD8 (TEMP_DET)	I	Temperature monitoring input
118	AVSSA	-	VSS for analog
119	PWM0 (FOD)	O	Focus drive output
120	PWM1 (TRD)	O	Tracking drive output
121	VSS	-	VSS
122	VDD3	-	VDD (3.3V)
123	IDGT	O	Not used
124	DTRD	O	Not used
125	MONI0	O	Internal monitor signal
126~130	MONI1~5	O	Internal monitor signal
131	SW_2*3	I	8cm Ej-STOP, Lo-START detection
132	SW_1*5	I	12cm Ej-STOP detection
133	DMARQ	O	DMA request output ATAPI host
134	NIOWR	I	ATAPI host write signal input
135	VDD3	-	VDD (3.3V)
136	VSS	-	VSS

Pin No.	Pin Name	I/O	Application
137	NIORD	I	ATAPI host read signal input
138	IORDY	O	Ready output to ATAPI host
139	NDMACK	I	ATAPI host DMA acknowledge input
140	INTRQ	O	Interruption output to ATAPI host
141	NIOCS16	O	Not used
142	DA1	I	ATAPI host address signal input
143	NPDIAG	I	Diagnosis from ATAPI slave to master
144	DA0	I	ATAPI host address signal input
145	VSS	-	VSS
146	VDD3	-	VDD (3.3V)
147	DA2	I	ATAPI host address signal input
148	NCS1FX	I	ATAPI host chip select signal input
149	NCS3FX	I	ATAPI host chip select signal input
150	NDASP	O	ATAPI drive active/slave
151	HDD15	I/O	ATAPI data input/output
152	HDD0	I/O	ATAPI data input/output
153	HDD14	I/O	ATAPI data input/output
154	HDD1	I/O	ATAPI data input/output
155	HDD13	I/O	ATAPI data input/output
156	VDD3	-	VDD (3.3V)
157	VDD15	-	VDD (1.5V)
158	VSS	-	VSS
159	HDD2	I/O	ATAPI data input/output
160	HDD12	I/O	ATAPI data input/output
161	HDD3	I/O	ATAPI data input/output
162	HDD11	I/O	ATAPI data input/output
163	HDD4	I/O	ATAPI data input/output
164	HDD10	I/O	ATAPI data input/output
165	HDD5	I/O	ATAPI data input/output
166	VSS	-	VSS
167	VDD3	-	VDD (3.3V)
168	HDD9	I/O	ATAPI data input/output
169	HDD6	I/O	ATAPI data input/output
170	HDD8	I/O	ATAPI data input/output
171	HDD7	I/O	ATAPI data input/output
172	VDDH	-	5V reference power supply
173	NRESET	I	ATAPI reset signal input
174	MASTER	I	ATAPI master/slave signal input
175	SCL	O	EEPROM clock output
176	SDA	I/O	EEPROM data input/output

TEST MODE

Operation Specifications

● Compatible Models for This Test Mode Specification

	1Din GRA	1Din OSD		2Din GRA	2Din OSD	M707
	DSP Exist	DSP Exist	DSP None	DSP Exist	DSP None	DSP None
K	KVT-817DVD	-	KVT-717DVD	DDX8017	DDX7017	KVT-M707
R	-	-	KVT-747DVD	-	DDX7047	-
E	KVT-827DVD	KVT-727DVD	KVT-627DVD	DDX8027	DDX6027	KVT-M707
M	KVT-837DVD	-	KVT-737DVD	DDX8037	DDX7037	-
X	KVT-847DVD	-	KVT-747DVD	DDX8047	DDX7047	-
V	KVT-867DVD	-	KVT-767DVD	DDX8067	DDX7067	-

• Depending on Din/Display Types in the table below, test mode specifications may differ from model to model.
In this specification, categorizing by 1DIN/2DIN and Graphic/OSD, M707, DSP, and destinations (K/R/E/M/X/V).

Model	Din Type	DSP	Display Type
KVT-8x7DVD	1DIN	Exist	Graphic
KVT-727DVD	1DIN	Exist	OSD
KVT-7x7/627DVD	1DIN	None	OSD
DDX80x7	2DIN	Exist	Graphic
DDX70x7/6027	2DIN	None	OSD
KVT-M707	1DIN	None	OSD

x: Different in accordance with the region code

● How to enter the test mode

There are two different ways to enter the test mode as shown below.

1) While pressing [SRC key + ATT key] at the same time, reset the unit.
2) Connect to Lx connector odd jigging for writing regions (2DIN: When adjusting flicker)

Note1: The jig setting is arbitrary. Note that, however, there are functions according the setting SW. (Region/Serial/Security/CPPM)

Note2: In the test mode, power supply is cut off after 30 minutes. (This is for making the operation possible without Security input even when the security is On.)

● Adjustment items

Items to be adjusted after writing on the EEPROM on which regions have been written.

As for the details of the adjustments, refer to each adjustment item.

- Service Information/Serial Code writing
- Chroma adjustment
- Writing Touch Adjust values
- Screen position adjustment
- Writing Security Code (Other than K/R desinations)

● How to clear the Security Code

In adjusting K/R destination units, if the unit starts up with Security ON, the Security Code can be cleared in the following manner. (Other than in Test Mode)

1) In the e Security ON condition, after resetting or turning power ON after backup OFF, then the session starts with Security Code Input screen.
2) With the attached remote control in the Audio SW selected condition, input the code with the following procedure.
   Procedure 1: “K” input (Press Tenkey [5] 2 times)
   Procedure 2: “C” input (Press Tenkey [2] 3 times)
   Procedure 3: “A” input (Press Tenkey [2] once)
   Procedure 4: “Q” input (Press Tenkey [7] 2 times)
   Note: If a remote controller other than the attached is used, Pressing Tenkey [7] twice will cause “R” to be input.
   If a mistake is made during Procedure 1~4 above, input other remote controller Key. Then, start inputting again from Procedure 1.
3) Security Code is complete when the input screen for the Security Code is cleared.

TEST MODE

● Information Screen

Below are display contents of the Information Screen.

- Region Code
- Serial No.
- System μCom Version / Rom Correction Version / Type
- OSD Version
- F/E Version / B/E Version
- Macrovision Version
- Box uCom Version / Rom Correction Version / Type / Span (Tuner frequency Span information)
- DC Offset detection information
- Security Info (BLANK: E2PROM not written, ON/OFF: Normal condition (ON/OFF security is set), ERROR: E2PROM write abnormal)

● TOUCH Screen

- Adjust Touch position and write it on E2PROM.
- With 3-point input, write from system μ-com to EEPROM is achieved.
- E2PROM normal/abnormal ending is displayed on screen.

● HPOSI Screen

- Screen position adjustment is conducted and the result is stored in E2PROM.
  Adjustments are conducted in the following order:
  Graphic → DVD → TV → VIDEO → NAVI
- DVD wallpaper is NTSC-fixed.
- E2PROM write normal/abnormal ending is displayed on screen.
- While adjustment is conducted on DVD, TDV-540A (Title 3-Chapter 16) is played.
  After Disc Loading, by pressing Tenkey [4] on the remote controller, transition is made to Title 3-Chapter 16.

● SERVICE Screen

Shown below are contents of the Service Screen.

- Power On time
- DVD Play time / DVD Eject number of times
- Monitor Open number of times / Monitor Close number of times
- E2PROM Chroma data information
- DC Offset detection information

Writing Serial No.

By pressing the Serial key, transition to the Serial No. Input screen is made.

E2PROM Chroma Data Clear

By pressing the Clear key, the E2PROM Chroma data is cleared.

DC Offset Data Clear

By pressing the Clear key, the E2PROM DC Offset data is cleared.

● Chroma Screen

- Chroma adjustment is conducted and the result is stored in E2PROM.
- The setting procedures are conducted with a remote controller.
- Chroma IC adjustment screen (Item setting) → To be written on EEPROM.
  Setting item
  VCO free run adjustment (00h~FFh)
  YGCA gain adjustment (00h~FFh)
  Brightness adjustment (00h~FFh)
  Contrast adjustment (00h~FFh)
  Black limiter adjustment (00h~7Fh)
  White limiter peak adjustment (00h~7Fh)
  Gamma 1 adjustment (00h~FFh)
  Gamma 2 adjustment (00h~FFh)
  Rch sub-brightness adjustment (00h~FFh)
  Bch sub-brightness adjustment (00h~FFh)
  Rch sub-contrast adjustment (00h~FFh)
  Bch sub-contrast adjustment (00h~FFh)
  VCOM oscillation width adjustment (00h~FFh)
- E2PROM write normal/abnormal ending is displayed on screen.
- Writing region does not clear EEPROM Chroma data. EEPROM chroma data is cleared by the Clear key in the Service screen.

● Source / Audio / Setup Screen

- Source/Audio Control/Setup Screen are the same as normal condition.

● Display

- Basically, in the Test Mode, screen will be dedicated screen.
- There will be no opening screen.
- Even during seek, the frequency display will be made.
- Touch position display (+) will be made. However, no display will be made in the Touch Adjust screen (In adjustment).

● Mini Liquid Crystal

- When starting up in the Test Mode, all lights will be lighted.
- All lighted condition will be released by Disp key.

TEST MODE

● Key

• Tact Key specifications are shown below.

	1DIN (UNIT SP)	1DIN (BOX SP)	2DIN
SRC	As usual	As usual	As usual
VolUp	As usual	As usual	As usual
VolDw	As usual	As usual	As usual
Track (Seek) Up	As usual	As usual	As usual
Track (Seek) Dw	As usual	As usual	As usual
Disc (FM+/Band) Up	As usual	As usual	-
Disc (AM-/M·S) Dw	As usual	As usual	-
AUTO (TI/DISP) With mini liquid crystal	Short: NAVI forced interruption Long: Motor	Short: DISP Long: Motor driver	-
AUTO (TI/DISP) Without mini liquid crystal	Short: NAVI forced interruption Long: Motor	Motor driver	NAVI forced interruption
ATT	As usual	Flicker adjustment	As usual
Screen	As usua	As usual	As usual
Mode	As usua	As usual	As usual
V.SEL	V.SEL+AVOUT	V.SEL+AVOUT	V.SEL+AVOUT
FNC	Normal (No Easy)	Normal (NO Easy)	Normal (NO Easy)
Open	As usual	As usual	
Eject	As usual	As usual	As usual

● Remote Controller

• Using NA-R300 (SW: AUD), the following operations will be conducted (Normal operation other than the following)

Key code	Item
Direct	Chroma IC adjustment mode ON/OFF (Write)
Band (FM+)	Video mode switching (NAVI/AVIN/DVD)
M/S (AM-)	DVD audio/video confirmation switching
Performance (Play/Pause)	Chroma setting value set/release
Tenkey 7	To previous item of chroma adjustment
Tenkey 8	Chroma setting value change (UP)
Tenkey 9	To next item of chroma adjustment
Tenkey 0	Chroma setting value change (DW)
Tenkey 1 (Preset 1)	DVD 5.1ch audio confirmation switching (DVD source only)
Tenkey 2 (Preset 2)	DC Offset detection check direct switching (CD-CH source only)
Tenkey 3 (Preset 3)	V-IN mirror mode switching
Tenkey 4 (Preset 4)	HPOSI DVD confirmation direct switching

TEST MODE

● Screen Management section

- While in the Test Mode (Including connection with special μ-com/jig), the startup will be with VIDEO screen. → Transition to Test Mode Main screen is made with [FNC] key.
- In coordination with V.SEL, AVOUT is also switched. (AVOUT with Graphic and NAVI can be anything.)
  AVIN1 – (AVIN2) – (TV) – R-CAM – NAVI-DVD (NO specific order)
- Easy Control screen can be skipped using [FNC] key.
- Parking detection is ignored in Test Mode. However, Parking is not ignored when Unit is special.
- Reverse condition occurring in Test Mode will be made On condition (VSEL always has RCAM). However, when Unit is special, it will be as usual.
  (When detected, Reverse will cause R-CAM interruption, as usual.)
- Default screen of System Setup will be made System 2.
- Default screen of Audio Setup will be made Speaker Setup.
- Default speaker selected of Speaker Setup will be made Sub-woofer.
- When VIDEO 1 video is input or at signal switching (NTSC ↔ PAL) will not be OSD displayed. (OSD display will be made at V.SEL switching. Display will not be made at the time of VIDEO 1.)

● BEEP Control

- Beep will be sound regardless of destinations
  (When Standby sourcing, Beep will not be sound as PWIC limitation item.)

● DSI Control

- Default of DSI will be On.

● AVIF

- AVIN2 (AVIN1 for models with no AVIN2) Interruption will be made default On.
- NAVI interruption SP setting will be default FRONT ALL.
- V-IN mirror mode switching will be conducted with remote controller Tenkey [3].
- R-CAM Interruption will be made default On.

● SCREEN Adjustment

- Default is center. With one click, FullDown ↔ Center ↔ FullUp.
- Default for BRT is MAX.
- The default for Auto Dimmer is Off and Dimmer Level 0. Wait for switching detection will be cut.

● Audio

- Default for Volume is Step 30.
- Bal/Fad setting is one click: Min ↔ Center ↔ Max
- Default for LineMute is On.
- Xover setting is one click: Min ↔ Max
- Tone setting is one click: Min ↔ Center ↔ Max
- Default for Tone (EQ) is Flat.
- Default for SystemQ is OFF.
- When equipped with Digital Out terminal, setting will be for always output On.

● TUNER

- When E2PROM cannot be accessed, Error display will be made. (Tuner screen)
- Forced Narrow/ Middle/ Wide switching of K3I.
  By long pressing of Preset 4: Forced Narrow (***.*1MHz)
  By long pressing of Preset 5: Forced Middle (***.*2MHz)
  By long pressing of Preset 6: Forced Wide (***.*3MHz)

● DVD

- CD media KTD-02A and DVD media, TDV-540A/TTD-100 are used.
- When Test Mode is started up in with Disc and Panel Open condition, the disc will not be ejected (The same as usual)
- Region code is set at the minute position of the time code.
- At time of CDDA media, RDM key will cause transfer to Track 28.
- At time of CDDA media ,pressing Track UP key will cause: 9 → 15 → 10 → 11 → 12 → 13 → 14 → 9.
- When loading, Title1-Chapter1 (Indicated with ★ in table next page)

TEST MODE

• DVD audio/video confirmation (TDV-540A)

For DVD video confirmation				
Title	Chapter			
★ 1	1			Audio Stream 1
3	6	Level		Audio Stream 1
3	7	S/N		Audio Stream 1
3	17	AM/PM noise		Audio Stream 1
3	8	Frequency characteristics		Audio Stream 1
3	12	Color bar measurement		Audio Stream 1

Chapter Up/Dw

DISC DW (M/S)

For DVD audio confirmation				
Title	Chapter			
1	1			Audio Stream 1
4	1	1kHz 0dB	PCM48k/24bit	Audio Stream 2
4	6	7Hz	PCM48k/24bit	Audio Stream 2
4	16	22kHz	PCM48k/24bit	Audio Stream 2
4	2	infinity	PCM48k/24bit	Audio Stream 2
4	3	L	PCM48k/24bit	Audio Stream 2
4	4	R	PCM48k/24bit	Audio Stream 2
4	1	1kHz 0dB	Dolby	Audio Stream 1
4	2	infinity	Dolby	Audio Stream 1

Chapter Up/Dw

• 5.1ch audio confirmation (TTD-100)

For DVD audio confirmation				
Title	Chapter			
★ 1	1			Audio Stream 1

Tenkey 1 (Preset 1)

For DVD audio confirmation				
Title	Chapter			
3	1			Audio Stream 1

Note: At the time of confirming 5.1ch audio, as DISC determination (TDV-540A/TTD-100) cannot be conducted, key operations for Chap Up/Dw, DISC DW (M/S) will be made ineffective when playing Title 3-Chapter 1

• HPOSI video adjustment (TDV-540A)

For DVD video HPOSI confirmation				
Title	Chapter			
★ 1	1			Audio Stream 1

Tenkey 4 (Preset 4)

For DVD video HPOSI confirmation				
Title	Chapter			
3	16	Monoscope		Audio Stream 1

TEST MODE

● Panel Mechanism

- At FullOpen, angle is vertical and Slide is at the very back.
- PanelMecha Slide/Angle will be in three steps.
- OPEN/CLOSE key illumination will blink all the time.

● Flicker Adjustment (When Box Special connected)

1) When ATT key is pressed, flicker adjustment comes On.
   Monitor is slid all the way to the front, the screen mode is ZOOM, and Video Mode is VIDEO.
2) When ATT key is pressed for the second time, flicker adjustment comes Off.
   Monitor is slid is slid all the way to the back. (Initial position of Test Mode.)
   The screen mode is full and video will be the video changed during adjustment.

● DC Offset

- Clearing DC Offset detection (normal/abnormal)
  By the use of DC Offset information clear key in the Service Information Screen, DC Offset detection information on E2PROM will be cleared.
- DC Offset detection information will be displayed on Information screen/Service Information screen.
- During Test Mode, even if DC Offset is detected, this will not be written to E2PROM.
- By pressing remote controller Tenkey 2 (Preset 2), the Volume setting will be switched to the following setting values.
  Source: CD-CH
  Designated disc: KTD-02A
  Designated Track: 15 (20Hz, 0dB)
  DISC/TRACK designation is conducted manually
  Designated Vol: 29

● Specification to turn motor driver ON with no slide mechanism

- In the condition where designation key is pressed down, motor driver port is turned On.
  With the [DISP] key depress, the motor is turned in forward direction with the first key ON. With [DISP] key OFF, motor stops.
  With [DISP] key ON for the second time, motor reverses. With [DISP] key OFF, motor stops. This goes on thereafter.

● Backup Memory

- During the Test Mode, Backup Memory function does not work. (Back up is conducted 30 minutes after Reset and then every one hour)

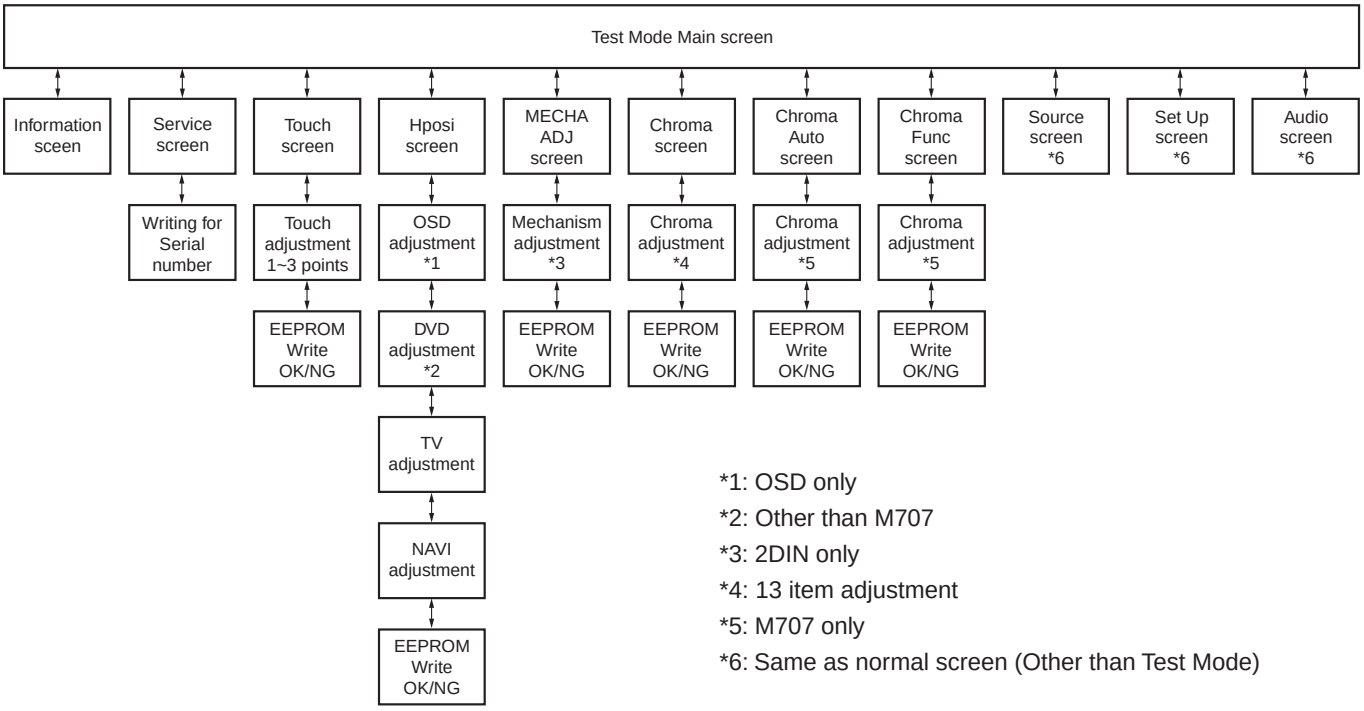
● Clearing E2PROM contents

- E2PROM contents that should not remain at shipping is cleared.
  [SRC] key + [AUTO (TI/DISP)] key + Reset clears the memory content.
  DC Offset information
  Memory function
  Storefront mode information
  Service information
- When jig is connected to write region, the following contents will be cleared.
  Serial Number
  DC Offset information
  Security Code
  Memory function
  Touch compensation
  Storefront mode information
  HPOSI data
  Service information
  Mechanism position adjustment values

TEST MODE

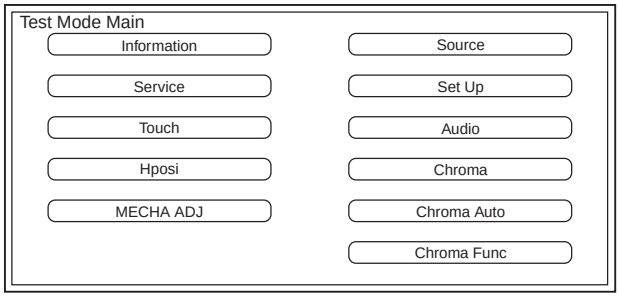
Screen Specifications

- During the Test Mode, when Graphic Screen is selected, Test Mode Main screen is displayed.



*1: OSD only
*2: Other than M707
*3: 2DIN only
*4: 13 item adjustment
*5: M707 only
*6: Same as normal screen (Other than Test Mode)

● Test Mode Main Screen

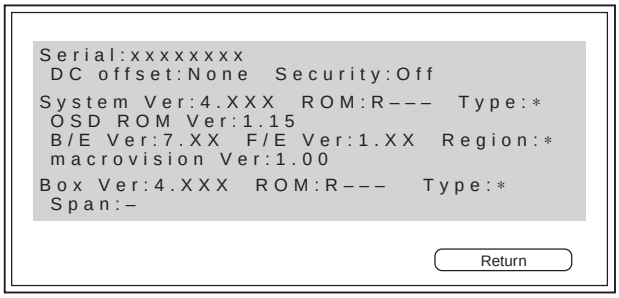


Key Specification

Information: Information Screen is displayed.
Service: Service Screen is displayed.
Touch: Touch Screen is displayed.
Hposi: Hposi Screen is displayed.
MECHA ADJ: MECHA ADJ Screen is displayed. (2DIN only)
Source: Source Screen is displayed.
Set Up: Set Up Screen is displayed.
Audio: Audio Screen is displayed.
Chroma: Chroma Screen is displayed.
Chroma Auto: Chroma Auto Screen is displayed. (M707 only)
Chroma Func: Chroma Func Screen is displayed. (M707 only)

● Information Screen

- Serial No./μ-com version information/Region Code/Various conditions, etc. are displayed.



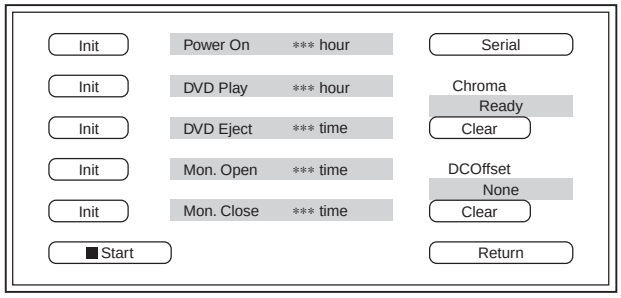
Key Specification

Return: Test Mode Main Screen is displayed.

TEST MODE

● Service Screen

- Service information is displayed/cleared.
- EEPROM Chroma data is cleared.
- DC Offset detection information is displayed/cleared.



Key Specification

Init: Items to be initialized are selected.

■Start : Items that are selected with long-press (1 second or more) are initialized.

Serial: Serial No Manual Input Screen is displayed.

Clear: EEPROM Chroma data is cleared.

Clear: EEPROM DC Offset information data is cleared.

Return: Test Mode Main Screen is displayed.

Note: As for DVD related items, those other than M707.

Note: The key arrangements are somewhat different for OSD model and Graphic model.

Adjustment Procedure

Service Information

- Select those items to be initialized by pressing Init Key. (More than one can be selected. / Those items that are selected are focus displayed.)
- When selection is complete, press Start Key for 1 second or more. The Service Information displayed is initialized.

Chroma

- Chroma information is normally Ready-displayed. When EEPROM data is cleared, Clr OK/NG is displayed.
- At the time of Clear, if not reset, When Chroma Adjustment Screen is displayed., the previous data is maintained. It is only after resetting that the cleared data is reflected.

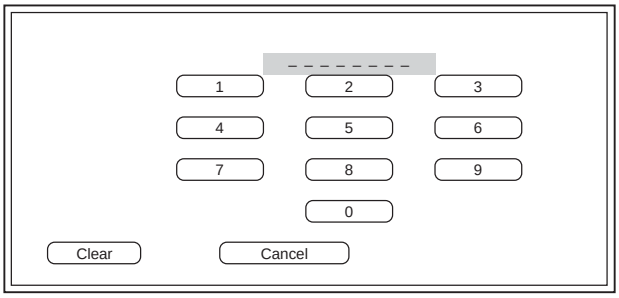
DC Offset

- As for DC Offset information, None means no detection and Detect means information detected.
- With Clear key, detection information is cleared.

● Serial Number Input Screen

- The serial number for each set is written.

Serial Number Input Screen



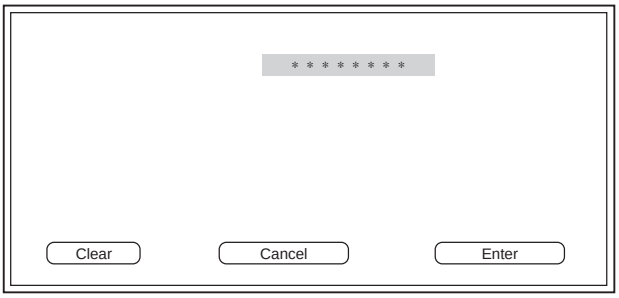
Key Specification

0~9: 10Keys for Serial Number Input

Clear: Serial number being input is cleared.

Cancel : Service Screen is displayed.

Serial Number Input writing Screen



Key Specification

Clear: Serial number being input is cleared.

Cancel: Service Screen is displayed.

Enter: Serial Number writing start (Write OK means normal ending. write NG display means error.)

When OK, Service Screen is displayed with this key.

When NG, enter the Test Mode again, and re-do from the beginning.

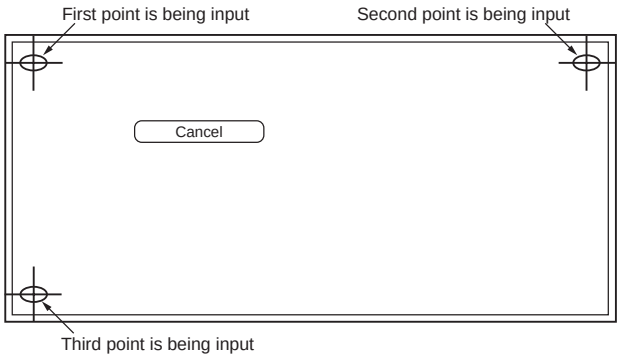
Note: The key arrangements are somewhat different between OSD model and Graphic model.

TEST MODE

● Touch Screen

- Touch variances in different sets are adjusted.
  Touch the markers for three points in order. When EEPROM OK screen is displayed, adjustment is complete.

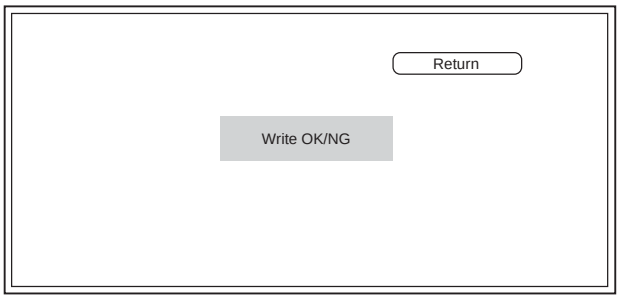
Touch input in progress



Key Specification

Cancel:
The first point is being input. Test Mode Main Screen is displayed.
The second point is being input which will move on. Transit to the first point being input.

EEPROM writing complete OK/NG Screen



Key Specification

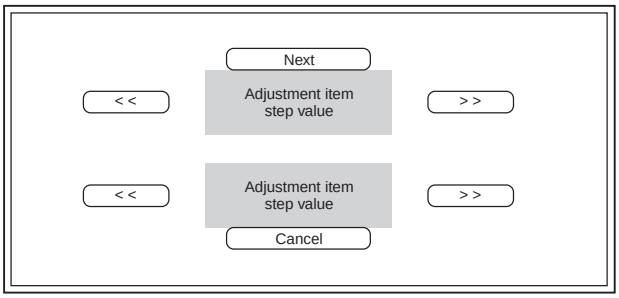
Return: Test Mode Main Screen is displayed.

Note: When NG, enter the Test Mode again, and re-do from the beginning.

● Hposi Screen

- Horizontal position for each screen is adjusted.

Hposi Adjustment screen

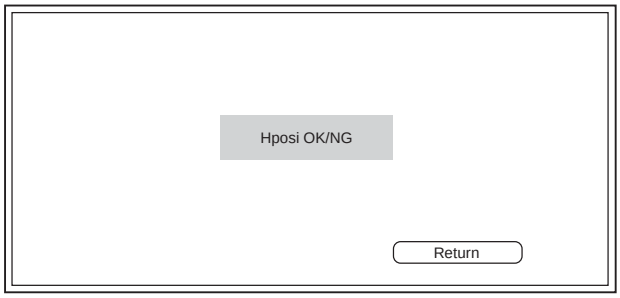


Key Specification

Next: To next Hposi adjustment screen. When in NAVI screen, EEPROM writing will begin.
<< : The screen moves to the left.
>> : The screen moves to the right.
Cancel: Test Mode Main Screen is displayed.

Note: The key arrangements are somewhat different with OSD model and Graphic model. (With the Graphic model, one adjustment item per one screen.)
Note: There is no need for the upper column (Graphic) of the first adjustment screen of the OSD model to be adjusted.

EEPROM writing compete OK/NG Screen



Key Specification

Return: Test Mode Main Screen is displayed.

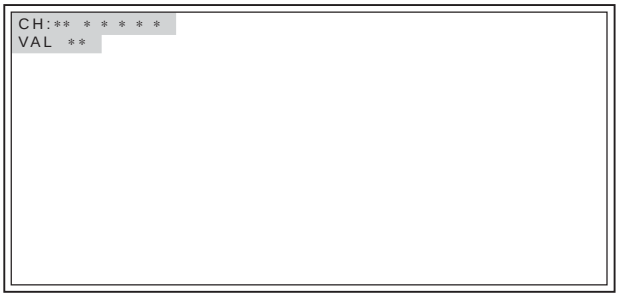
Note: In case of NG, enter the Test Mode again and re-do from the beginning.
Note: The key arrangements are somewhat different with OSD model and Graphic model.

TEST MODE

● Chroma Screen

- Chroma data adjustment will be conducted.
- Adjustment is conducted with a remote controller (Audio SW).

  Note: Chroma data on the EEPROM can be cleared with the Clear key in the Service screen.



Key Specification (Remote Controller)

Direct : Chroma IC Adjustment Mode ON/OFF (EEPROM writing)

Play/Pause: Chroma setting value Confirm/Rehearse

Tenkey 7: Chroma adjustment To the next item.

Tenkey 8: Chroma setting value change (UP)

Tenkey 9: Chroma adjustment To the next item.

Tenkey 0: Chroma setting value change (DW)

● Source / Set Up / Audio Screen

- The same as the normal screen (Other than Test Mode). However, when SetUp key and Audio key are pressed, returns to Test Mode Main screen.

● Security Code Writing Screen

- Security code is managed in pair with serial number. Security Code is written in this screen. (Other than K/R destinations)
- From Set Up screen, press Security Set Up key.
- In case of other than K/R destinations, only when EEPROM Security Code is blank, Set key is displayed. Press the key.
- The same operation as the regular Security Code registration is to be conducted in the Security Code Writing screen. When Enter key is pressed, writing begins.

  Note: The Security Code to be input here must be the unique code of the set liked with the serial number.
- When “Complete” is displayed, normal ending. When NG is displayed, error.

  Note: In case of NG, enter the Test Mode again and re-do from the beginning.

ADJUSTMENT

● Adjustment item

1. Chroma IC adjustment (X14)
   (A remote controller is used for adjustment, while confirming on the waveform with an oscilloscope.)
2. PLL_CLK/OSD_HSYNC phase adjustment (X14)
   (A variable resistor is used for adjustment while confirming on the waveform with an oscilloscope.)
3. Freerun adjustment (X35)
   (A variable resistor is used for adjustment while confirming on the waveform with an oscilloscope.)
4. Flicker adjustment
   (A remote controller is used for adjustment, while confirming on the waveform with an oscilloscope.)
5. Screen position adjustment
   (A touch panel is used for adjustment, while confirming the screen.)
6. Touch Panel Adjustment
   (A touch panel is used for adjustment.)

1. Chroma IC Adjustment Procedure (X14)

1. While pressing on the [ATT] + [SRC] keys on the unit, reset to enter the Test Mode.
2. Press [DIRECT] key on the TV remote controller to get into the Chroma IC Adjustment mode.
   → At this point "CH : 16 VCO_FREERUN VAL 80" is displayed on upper left corner. (VAL value is displayed in HEX.)
3. Perform adjustments in Tables A~M in the order of a~c, one by one.
   a. Use [8] and [0] of 10Key to change the setting value. → The values in the VAL on the upper left corner of screen.
   b. Press [PLAY/PAUSE] key to confirm the setting values.
   → When confirmed, the color of "CH : 16 VCO_FREERUN VAL 80" changes.
   Press [PLAY/PAUSE] key once more to release.
   c. Use [7] and [9] of 10Key to move to the next setting. → The CH value in the upper left corner of screen changes.
4. Press [DIRECT] key to write data to E2PROM.
5. Press [DIRECT] key again to move out of Chroma Adjustment mode.

* Conduct this in AUDIO mode using TV/NAVI remote controller.

	Adjustment Item	Test Mode Display	Adjustment Method	Adjustment Value (Temporary)	Condition
A	Chroma VCO Adjustment	CH : 16	Connect TP: HD between R249 and R250 and TP: VD between R248 and R251 to GND. Measure TP: TC_HD of IC237 32 pin with a frequency counter.	NTSC type 15.734±50Hz PAL type 15.625±50Hz	Input signal : None Input signal : 10 STEP (NTSC) 1Vpp V/S ratio : 7:3 (75Ω terminated) X34 AVIN input Oscilloscope range : 500mV/DIV AC
F	Y GCA (Brightness Gain) Adjustment	CH : 2	Monitor waveform of 59 pin TP: VG of CN905 with an oscilloscope and adjust the oscillation width of forward rotation-side pedestal and forward rotation-side Step 10.	2.6V±0.05V	
B	Brightness Adjustment	CH : 6	Monitor waveform of 59 pin TP: VG of CN905 with an oscilloscope and adjust the oscillation width of forward rotation-side Step 1 and reverse rotation-side Step 1.	3.2V±0.05V	
C	Contrast Adjustment	CH : 13	Monitor TP: VG waveform of 59 pin of CN905 with an oscilloscope and adjust the oscillation with of forward rotation-side Step 8 and reverse rotation-side Step 8.	3.0V±0.05V	
D	Black Limiter Adjustment	CH : 5	Maintain and confirm 7F and move on to the next step.	7F	
E	White Limiter Adjustment	CH : 10	Monitor waveform of 59 pin TP: VG of CN905 with an oscilloscope and adjust the oscillation width of forward rotation-side Step 9 and reverse rotation-side Step 9.	3.2V±0.05V If lower than 3.2V, finalize with 7F. (However, 2.7V or less is NG.)	

ADJUSTMENT

	Adjustment Item	Test Mode Display	Adjustment Method	Adjustment Value (Temporary)	Condition
G	Gamma 1 Adjustment	CH : 11	Monitor waveform of 59 pin TP: VG of CN905 with an oscilloscope and adjust the oscillation width of forward rotation-side pedestal and forward rotation-side Step 9.	3.0V±0.05V	Input signal : None Input signal : 10 STEP (NTSC) 1Vpp V/S ratio : 7:3 (75Ω terminated) X34 AVIN input Oscilloscope range : 500mV/DIV AC
H	Gamma 2 Adjustment	CH : 12	Monitor TP: VG waveform of 59 pin of CN905 with an oscilloscope and adjust the oscillation width of forward rotation-side pedestal and forward rotation-side Step 10.	3.3V±0.05V	
I	R Sub-Brightness Adjustment	CH : 8	Monitor waveform of 58 pin TP: VR and 59 pin TP: VG of CN905 with an oscilloscope and adjust so that the pedestal of Step 1 of the forward rotation side of TP: VR will be 0.1Vpp higher than the pedestal of Step 1 of the forward rotation side of TP: VG.	0.1V±0.05V	
J	B Sub-Brightness Adjustment	CH : 9	Monitor waveform of 60 pin TP: VB and 59 pin TP: VG of CN905 with an oscilloscope and adjust so that the pedestal to Step 1 of the forward rotation side of TP: VB will be the same as the pedestal to Step 1 of the forward rotation side of TP: VG.	0V±0.05V	
K	R Sub-Contrast Adjustment	CH : 14	Monitor waveform of 58 pin TP: VR and 59 pin TP: VG of CN905 with an oscilloscope and adjust so that the pedestal to Step 9 of the forward rotation side of TP: VR will be 0.1Vpp higher than the pedestal to Step 9 of the forward rotation side of TP: VG.	0.1V±0.05V	
L	B Sub-Contrast Adjustment	CH : 15	Monitor waveform of 60 pin TP: VB and 59 pin TP: VG of CN905 with an oscilloscope and adjust so that the pedestal to Step 9 of the forward rotation side of TP: VB will be the same as the pedestal to Step 9 of the forward rotation side of TP: VG.	0V±0.05V	
M	V-COM Amplitude Adjustment	CH : 1	Monitor waveform of 39 pin TP: VCOM of CN905 with an oscilloscope and adjust the oscillation width of the VCOM rectangular wave.	2.15Vpp±0.05V	

ADJUSTMENT

2. OSD (On Screen Display) Clock and OSD_HSYNC Phase Adjustment (X14: VR361)

Condition

Set video source: VIDEO
Input: Video of NTSC (Video: Color bar)
Screen mode: NORMAL

Adjustment Procedure

1. When started up in Test Mode, it will start up with VIDEO source (FULL).
   Menu screen ↔ VIDEO can be switched with [F] key.
2. In the VIDEO screen, press Screen MODE switching key and switch to NORMAL screen.
3. Refer to Figure 1.
   Monitor IC400 11pin TP402 (HYSNC) and IC400 2pin TP403 (OSC IN) with an oscilloscope.
   Trigger with HSYNC.
   When the waveform cannot be accurately monitored due to lack of oscilloscope capability and/or probe capacity, use HSYNC: TP404 and OSC_IN: TP405.
   In that case, the wave oscillation width will be smaller.
4. As shown in Figure 2, adjust so that the difference between rising edge of HSYNC and the rising edge of OSD_CLK, when its L-period is long, would be 16.0±5nsec.

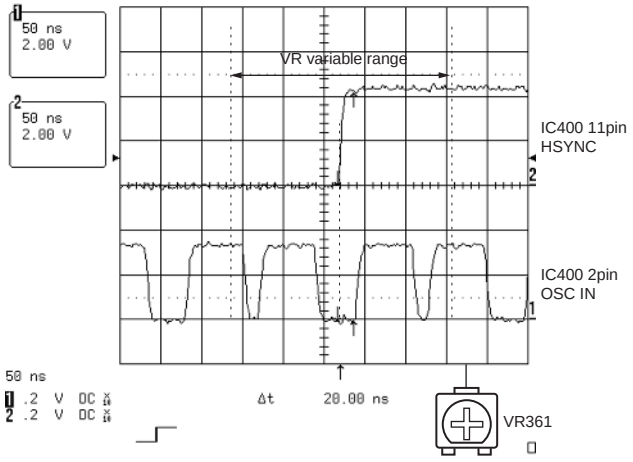


Fig. 1 CH1 HSYNC, CH2 OSD_CLK variable resistor center

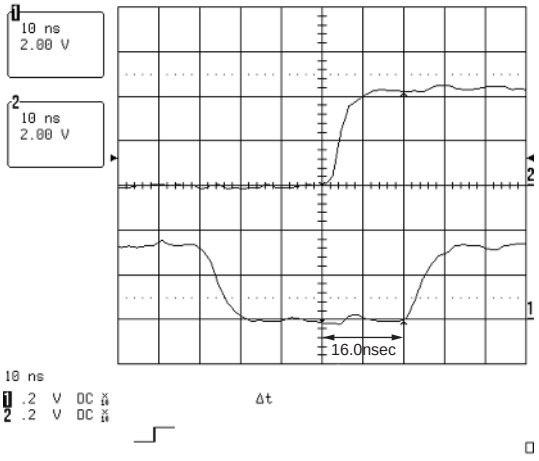


Fig. 2 CH1 HSYNC, CH2 OSD_CLK (Enlarged)

ADJUSTMENT

3. Freerun Frequency Adjustment (X35: VR301)

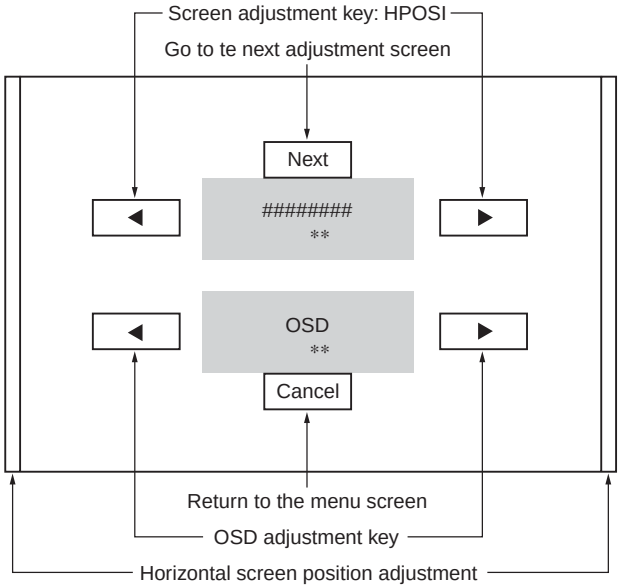
No.	Adjustment Method	Measurement Location			Adjustment Location	Adjustment Value
		Timing controller IC301	1DIN X35-448	2DIN X35-458		
1	Set TP of NVD TP as no input and connect to PON3.3V. Set TP of NHD TP as no input and connect to PON3.3V.	NVD (21pin) NHD (22pin)	TP363B TP304B	TP55 TP17		
2	Adjust frequency of HSYNC with a frequency counter.	NDSH (9pin)	TP307B	TP106	VR301	15.734kHz±0.01kHz (NTSC type) 15.625kHz±0.01kHz (PAL type)

4. Flicker Adjustment (X35: VR203)

Condition (As usual)
- Video source: VIDEO
- Video: Luster white 30~50%
- BRIGHT: MAX
- MODE: ZOOM

Adjustment Procedure
1. Set to the above condition.
2. Vary VR203 and adjust so that the side width that appear on screen top would become smallest.

5. Horizontal Display Start Position and OSD Display Position Adjustment



Screen Adjustment Key (HPOSI)
: Horizontal display start position adjustment of entire screen

OSD Adjustment Key
: Horizontal display start position adjustment of OSD only

About the video for adjustment screen
- DVD: Monoscope (TDV-540A, Title : 2, Chapter : 16)
- TV: Monoscope
- VIDEO1: Monoscope
- Navigation: Input KNA-DV3200

* For NTSC area destination: NTSC video
  For PAL area destination : PAL video
* As for TV tuner Box, use the TV Tuner Box suited for each destination.
* NAVI screen is NAVI Menu Screen.

Adjustment Procedure
1. Press HPOSI on Test Mode Menu Screen.
2. Adjust HPOSI display start position of the following five; Graphic/DVD/TV/VIDEO/Navigation.

3-1. Graphic
Use OSD key to adjust so that background is not seen on both sides of screen.
HPOSI key is not to be used. Pay attention not to used it, as it can be operated on.

ADJUSTMENT

3-2. DVD

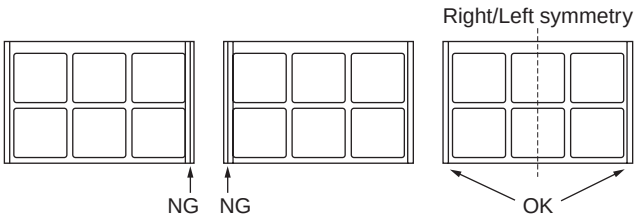
Insert TDV540 disk and, when a picture of an airplane appears, and press 4-key on the remote controller. (DVD Mode)
Then, Monoscope is displayed.
At first, use OSD key to adjust so that background is not seen on both sides of screen.
Then, use the Screen Adjustment key so that the Monoscope is symmetric on right and left sides.

3-3. TV/VIDEO

At first, use OSD key to adjust so that background is not seen on both sides of screen.
Then, use the Screen Adjustment key so that the Monoscope is symmetric on right and left sides.

3-4. NAVI

At first, use OSD key to adjust so that background is not seen on both sides of screen.
Then, use the Screen Adjustment key so that the NAVI Menu screen is symmetric on right and left sides.



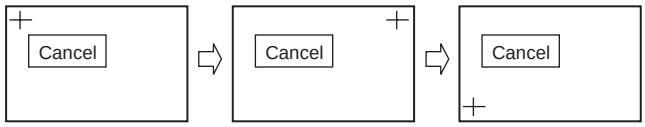
After adjustment, press the [Next] key. If “Hposi OK” is displayed, the adjustment is complete.

Note: If the display does not come at the dead center when adjusting the horizontal display start position (when adjusting one step left, the picture is to the left and, when adjusting one step to the right, the picture is to the right), press [NEXT] key with the position to the right and finalize the adjustment. (This is the condition in which the screen is to the right by one or two dots.)

6. Touch Panel Adjustment

Adjustment Procedure

1. Press the Touch Key in the Menu screen of the Test Mode and enter the Touch Panel Adjustment screen.
2. Touch the center section of the +-mark below in the following order.
   Upper left → Upper right → Lower left.
   When making the touch, be use to use the touch stick designated.
3. After adjusting at three points, when “Write OK” is displayed, the adjustment is complete.
   By pressing Return, Touch adjustment will be exited.



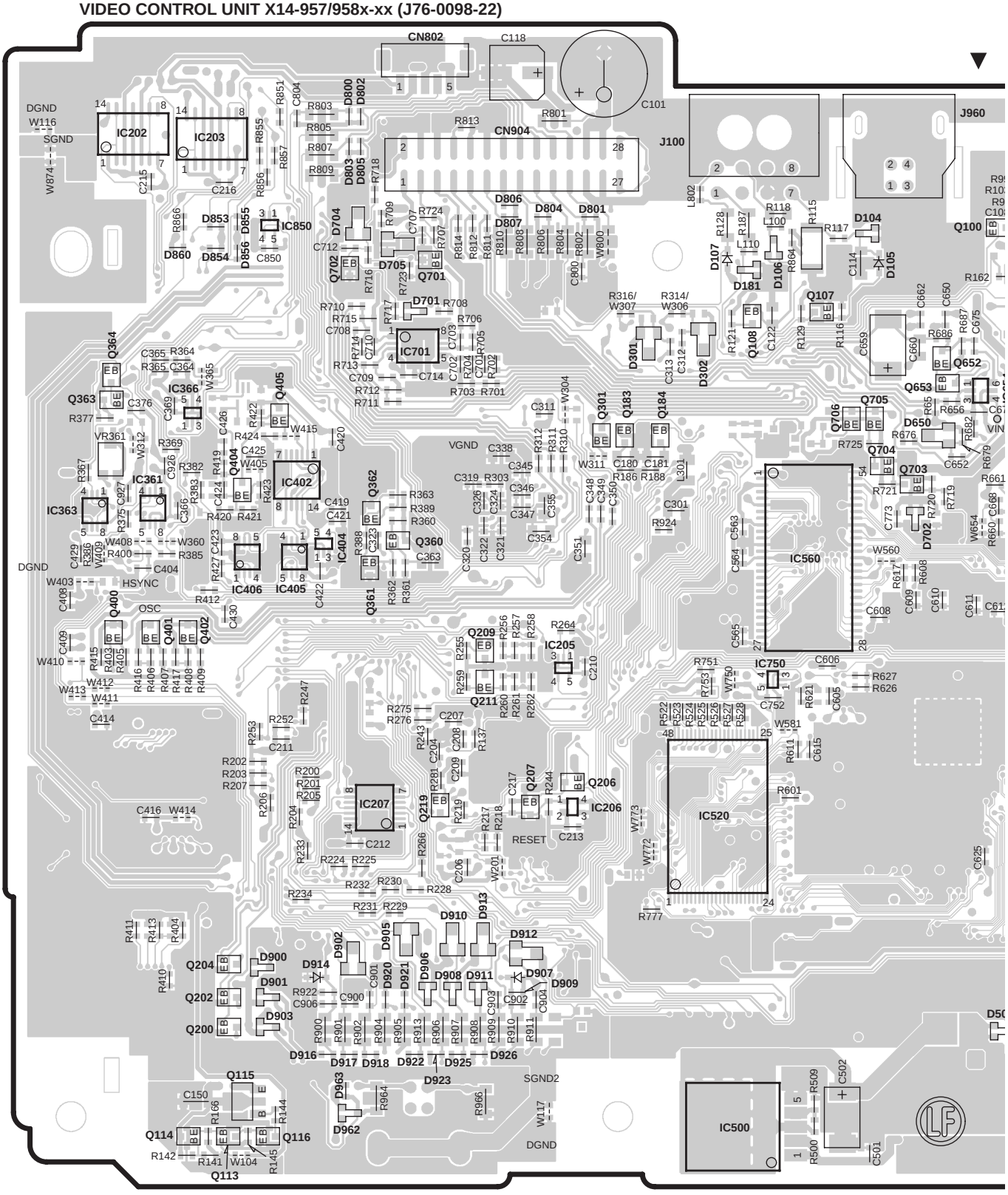
* If the central section of the +-mark has not be pressed accurately, press Cancel and re-do from the beginning.

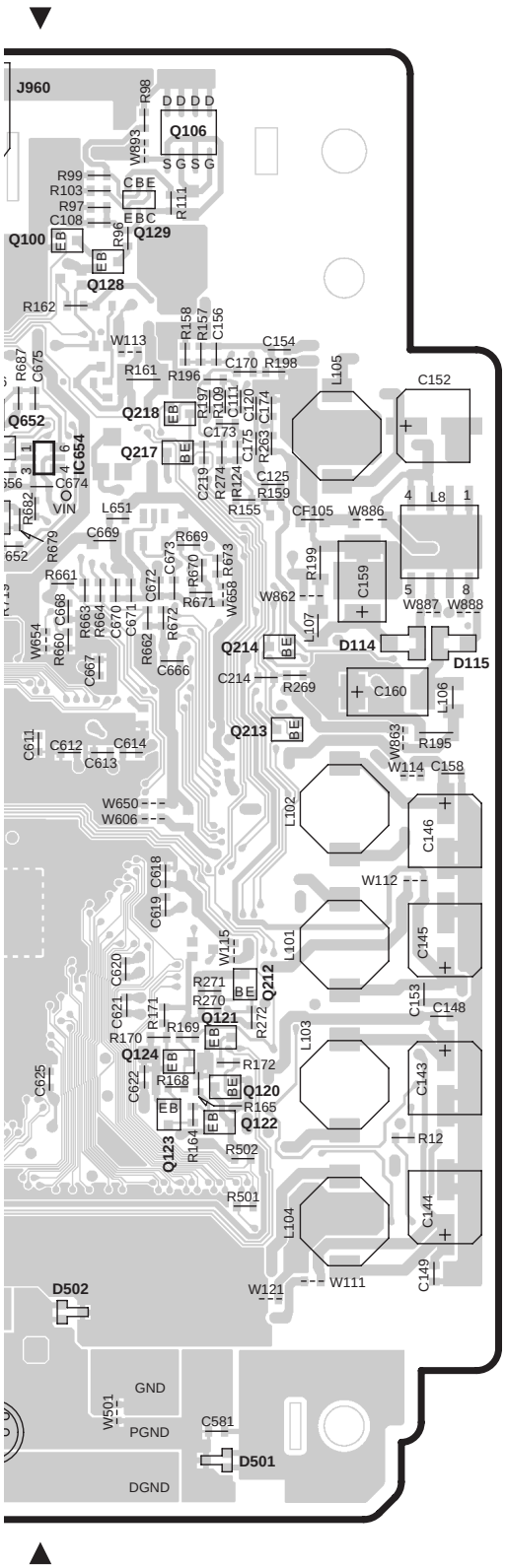
Note:

As far as the Touch Panel Adjustment data is concerned, the data is finalized when the touch is let go.
For this reason, the knack for adjustment is not to let go the touch after touching the center section of the +-mark.
After making the touch, first confirm that the touch is at the dead center of the +-mark.
(This means that, if the touch is not at the dead center of the +-mark, maintain the touch, and slide the stick to the dead center of the +-mark.)
Then, let the touch go quickly, vertically upward.

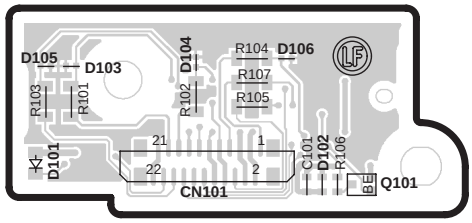
PC BOARD (COMPONENT SIDE VIEW)

VIDEO CONTROL UNIT X14-957/958x-xx (J76-0098-22)





SUB-CIRCUIT UNIT
X16-303/304x-xx A/2 (J76-0099-12)



X16 B/2

X14-957/958x-xx

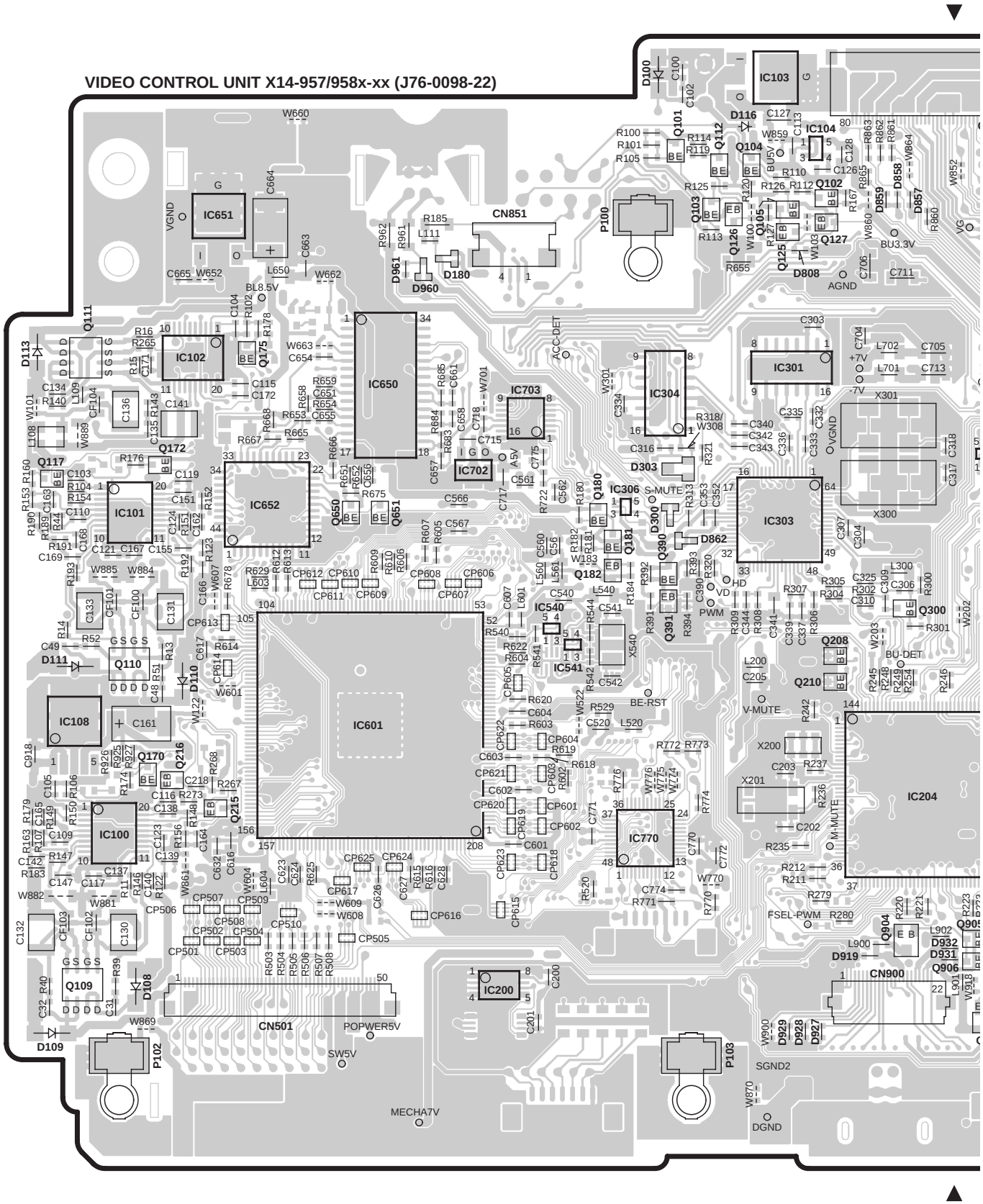
Ref. No.	Address	Ref. No.	Address
IC202	2A	Q200	6B
IC203	2B	Q202	6B
IC205	4C	Q204	6B
IC206	5D	Q206	5D
IC207	5C	Q207	5C
IC361	3B	Q209	4C
IC363	4A	Q211	4C
IC366	3B	Q212	5F
IC402	3B	Q213	4F
IC404	4B	Q214	4F
IC405	4B	Q217	3F
IC406	4B	Q218	3F
IC500	6D	Q219	5C
IC520	5D	Q301	3D
IC560	4E	Q360	4C
IC654	3F	Q361	4C
IC701	3C	Q362	3C
IC750	4D	Q363	3A
IC850	2B	Q364	3A
Q100	2E	Q400	4A
Q106	2F	Q401	4B
Q107	3E	Q402	4B
Q108	3D	Q404	3B
Q120	5F	Q405	3B
Q121	5F	Q652	3E
Q122	5F	Q653	3E
Q123	5F	Q701	2C
Q124	5F	Q702	2B
Q128	2F	Q703	3E
Q129	2F	Q704	3E
Q183	3D	Q705	3E
Q184	3D	Q706	3E

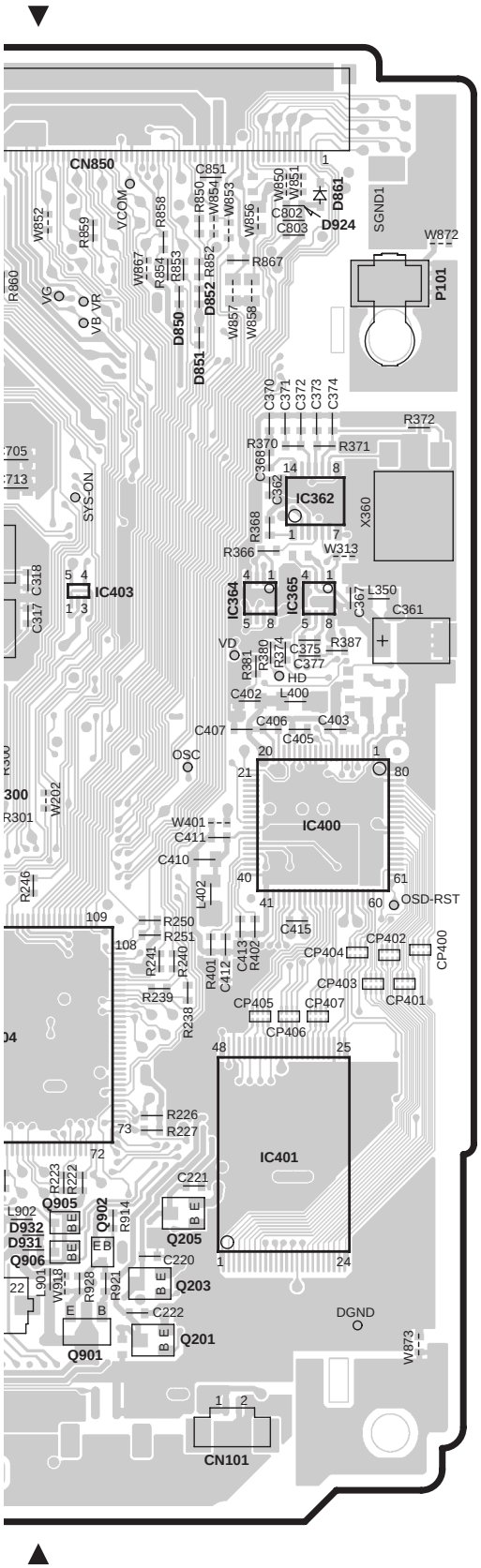
X16-303/304x-xx

Ref. No.	Address
IC201	5I
Q101	2J

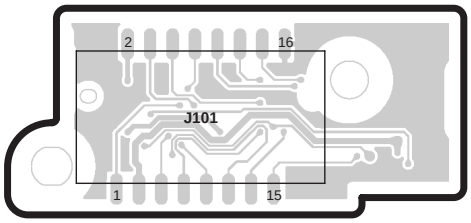
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

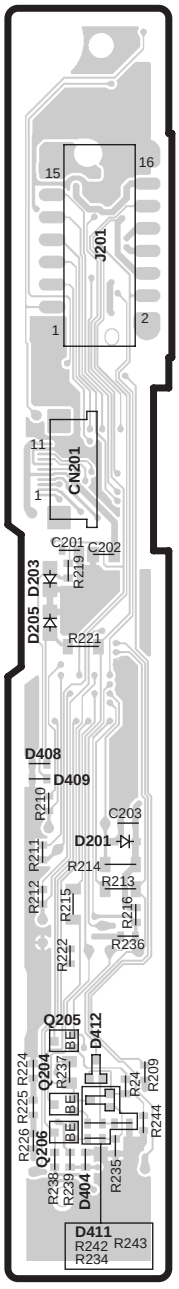




SUB-CIRCUIT UNIT
X16-303/304x-xx A/2 (J76-0099-12)



X16 B/2



X14-957/958x-xx

Ref. No.	Address	Ref. No.	Address
IC100	5K	Q109	6K
IC101	4K	Q110	4K
IC102	3L	Q111	3K
IC103	2O	Q112	2N
IC104	2O	Q117	3K
IC108	5K	Q125	2O
IC200	6M	Q126	2N
IC204	5O	Q127	2O
IC301	3O	Q170	5L
IC303	4O	Q172	3L
IC304	3N	Q175	3L
IC306	3N	Q180	3N
IC362	3Q	Q181	4N
IC364	3P	Q182	4N
IC365	3Q	Q201	6P
IC400	4Q	Q203	6P
IC401	5Q	Q205	6P
IC403	3P	Q208	4O
IC540	4M	Q210	4O
IC541	4N	Q215	5L
IC601	5M	Q216	5L
IC650	3M	Q300	4O
IC651	2L	Q390	4N
IC652	4L	Q391	4N
IC702	3M	Q650	4L
IC703	3M	Q651	4M
IC770	5N	Q901	6P
Q101	2N	Q902	6P
Q102	2O	Q904	5O
Q103	2N	Q905	5P
Q104	2N	Q906	6O
Q105	2N		

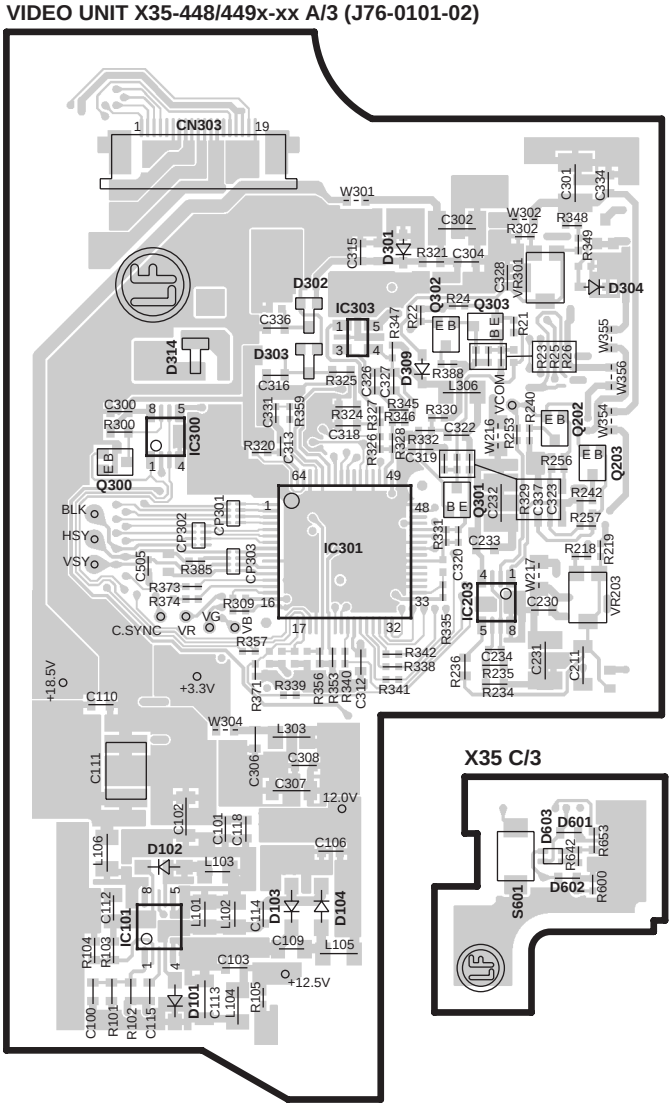
X16-303/304x-xx

Ref. No.	Address
Q204	6S
Q205	6S
Q206	6S

Refer to the schematic diagram for the values of resistors and capacitors.

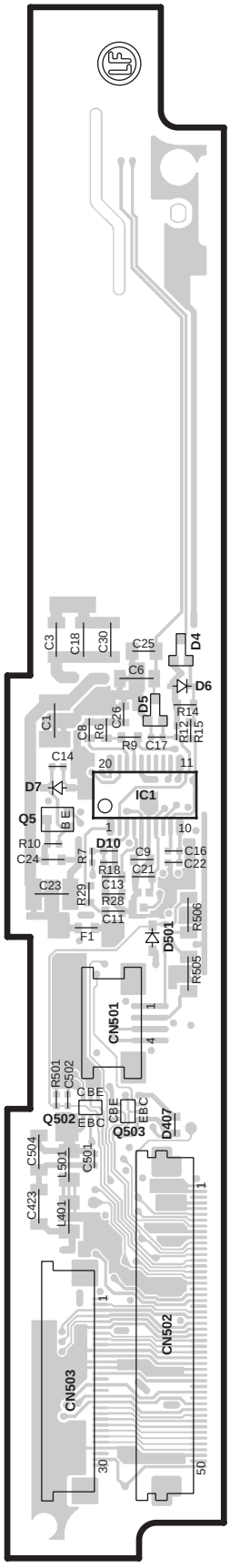
PC BOARD (COMPONENT SIDE VIEW)

VIDEO UNIT X35-448/449x-xx A/3 (J76-0101-02)



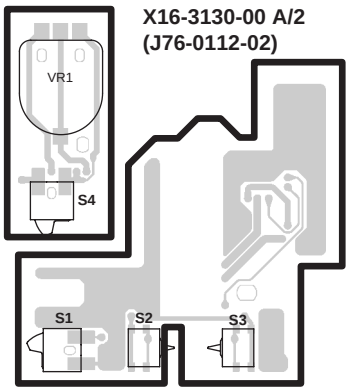
X35 C/3

X35 B/3



X16 B/2

ELECTRIC CIRCUIT MODULEX X16-3130-00 A/2 (J76-0112-02)



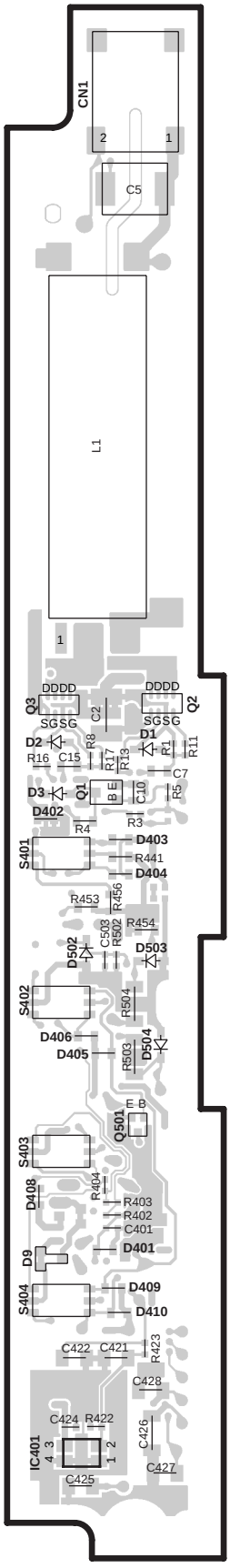
X35-448/449x-xx

Ref. No.	Address
IC1	4X
IC101	4U
IC203	3V
IC300	3V
IC301	3V
IC303	2V
Q5	4W
Q202	3W
Q203	3W
Q300	3U
Q301	3V
Q302	2V
Q303	2W
Q502	5W
Q503	5X

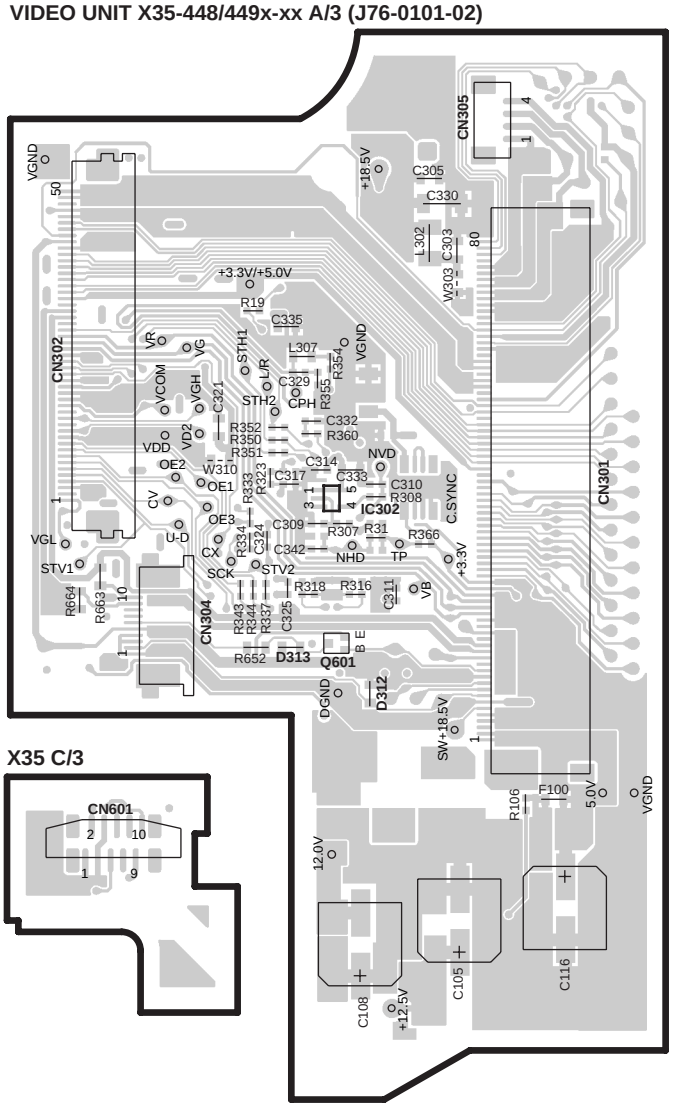
Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

X35 B/3



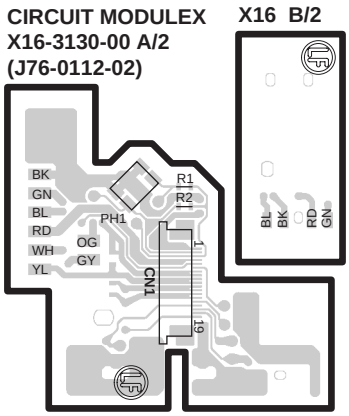
VIDEO UNIT X35-448/449x-xx A/3 (J76-0101-02)



X35 C/3

ELECTRIC CIRCUIT MODULEX X16-3130-00 A/2 (J76-0112-02)

X16 B/2



X35-448/449x-xx

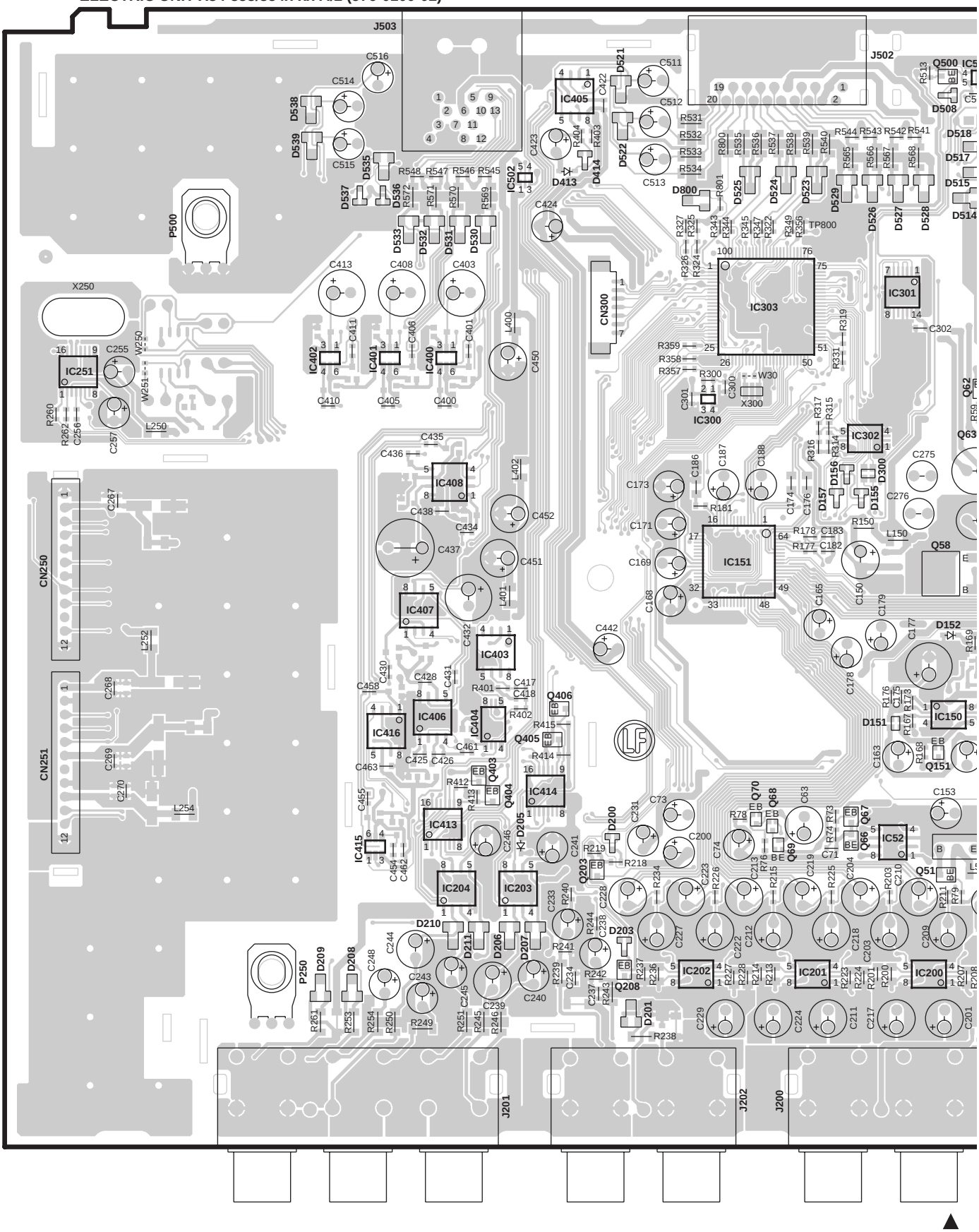
Ref. No.	Address
IC302	3AB
IC401	7Z
Q1	4Z
Q2	4Z
Q3	4Z
Q501	5Z
Q601	3AB

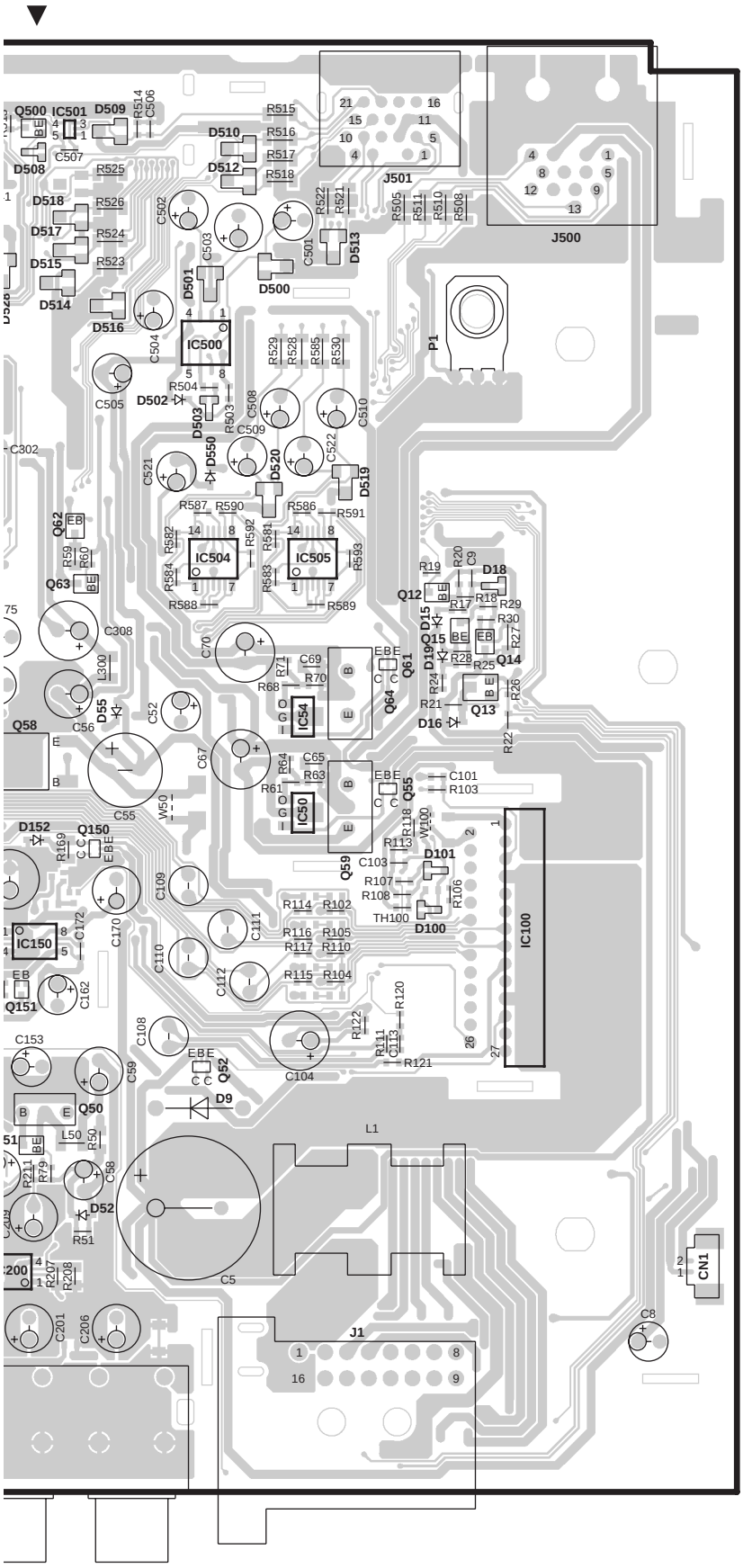
Refer to the schematic diagram for the values of resistors and capacitors.

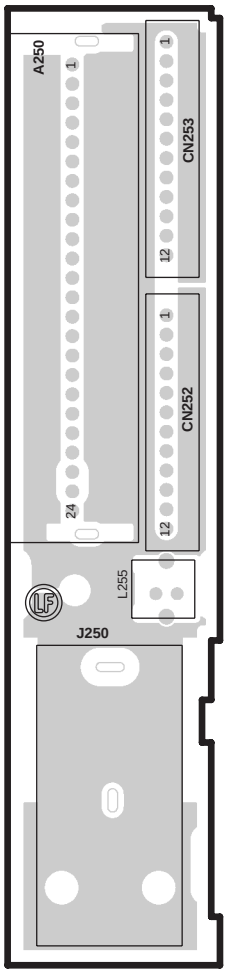
KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD

PC BOARD (COMPONENT SIDE VIEW)

ELECTRIC UNIT X34-353/354x-xx A/2 (J76-0100-02)







X34-353/354x-xx

Ref. No.	Address	Ref. No.	Address
IC50	4AK	IC502	2AG
IC52	5AI	IC504	3AJ
IC54	4AK	IC505	3AK
IC100	5AK	Q12	3AK
IC150	5AI	Q13	4AK
IC151	4AH	Q14	4AK
IC200	6AI	Q15	4AK
IC201	6AI	Q50	5AJ
IC202	6AH	Q51	5AI
IC203	5AG	Q52	5AJ
IC204	5AG	Q55	4AK
IC251	3AE	Q58	4AI
IC300	3AH	Q59	4AK
IC301	3AI	Q61	4AK
IC302	3AI	Q62	3AJ
IC303	3AH	Q63	3AJ
IC400	3AG	Q64	4AK
IC401	3AG	Q66	5AI
IC402	3AF	Q67	5AI
IC403	4AG	Q68	5AI
IC404	5AG	Q69	5AI
IC405	2AH	Q70	5AH
IC406	5AG	Q150	4AJ
IC407	4AG	Q151	5AI
IC408	4AG	Q203	5AH
IC413	5AG	Q208	6AH
IC414	5AG	Q403	5AG
IC415	5AG	Q404	5AG
IC416	5AG	Q405	5AG
IC500	2AJ	Q406	5AG
IC501	2AJ	Q500	2AI

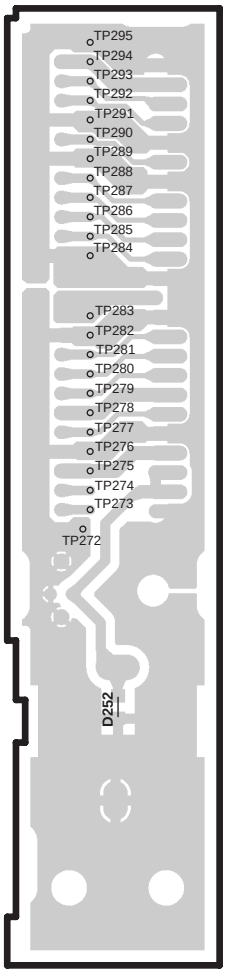
Refer to the schematic diagram for the values of resistors and capacitors.

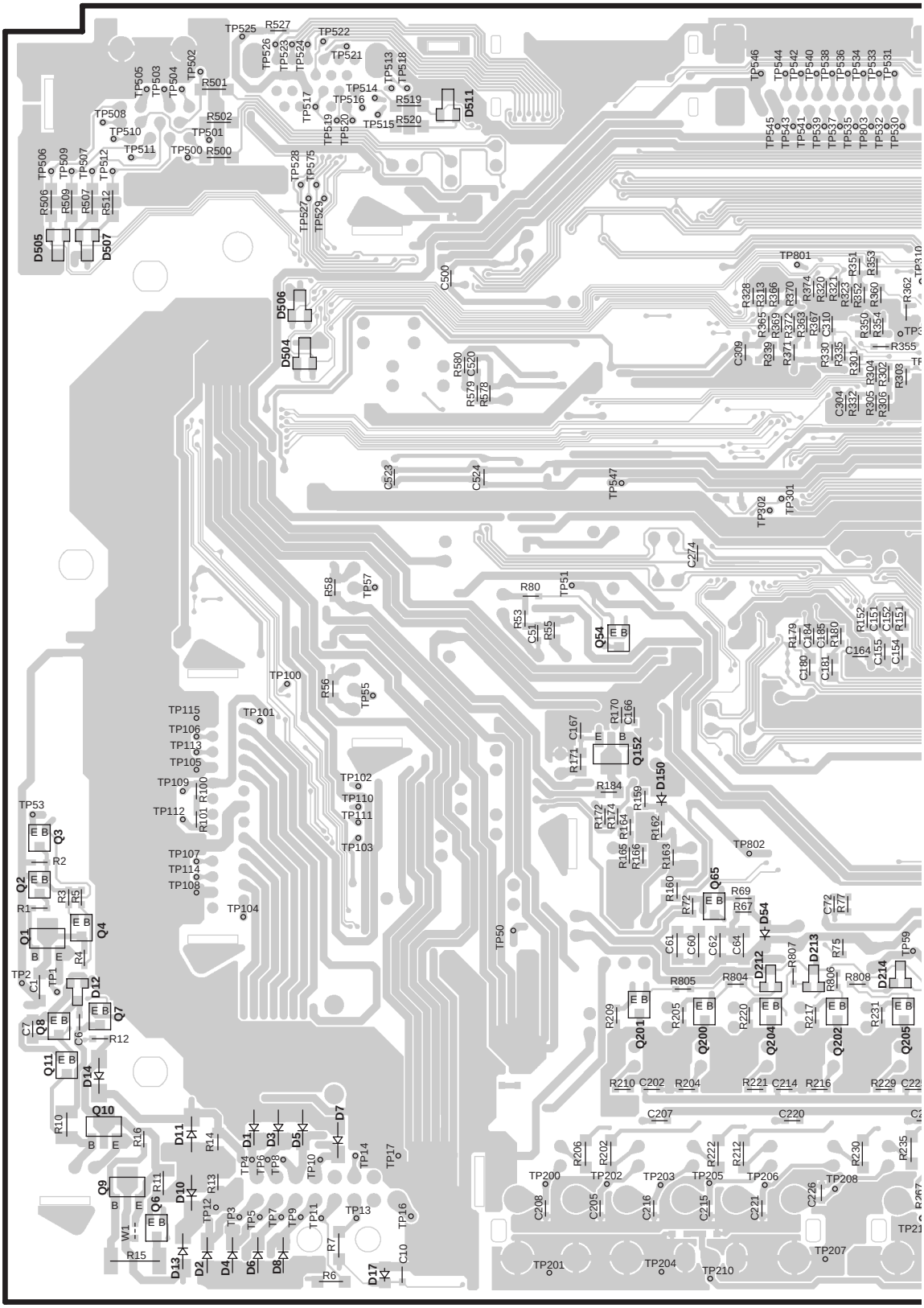
KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD

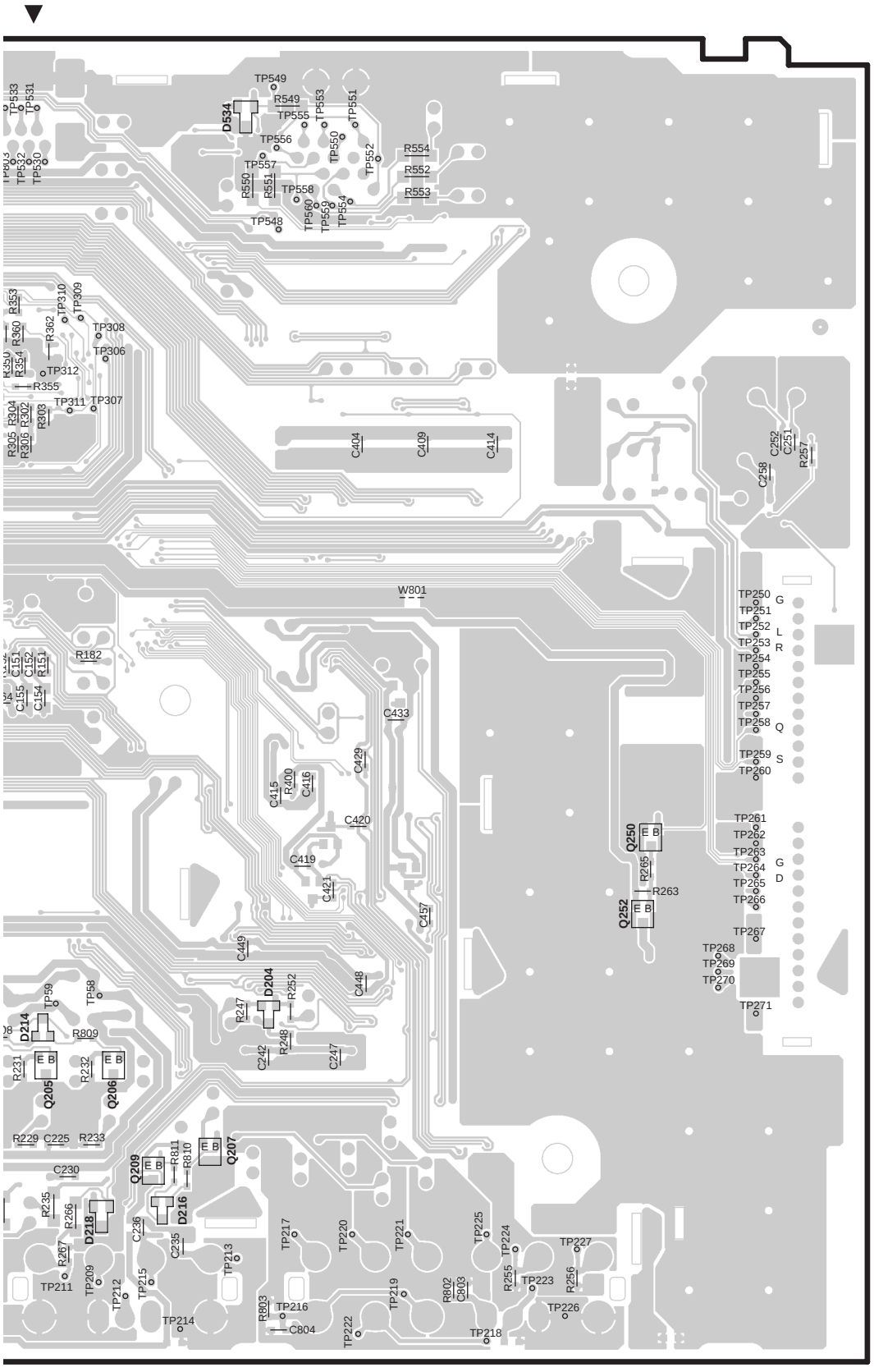
PC BOARD (FOIL SIDE VIEW)

ELECTRIC UNIT X34-353/354x-xx A/2 (J76-0100-02)

X34 B/2







X34-353/354x-xx

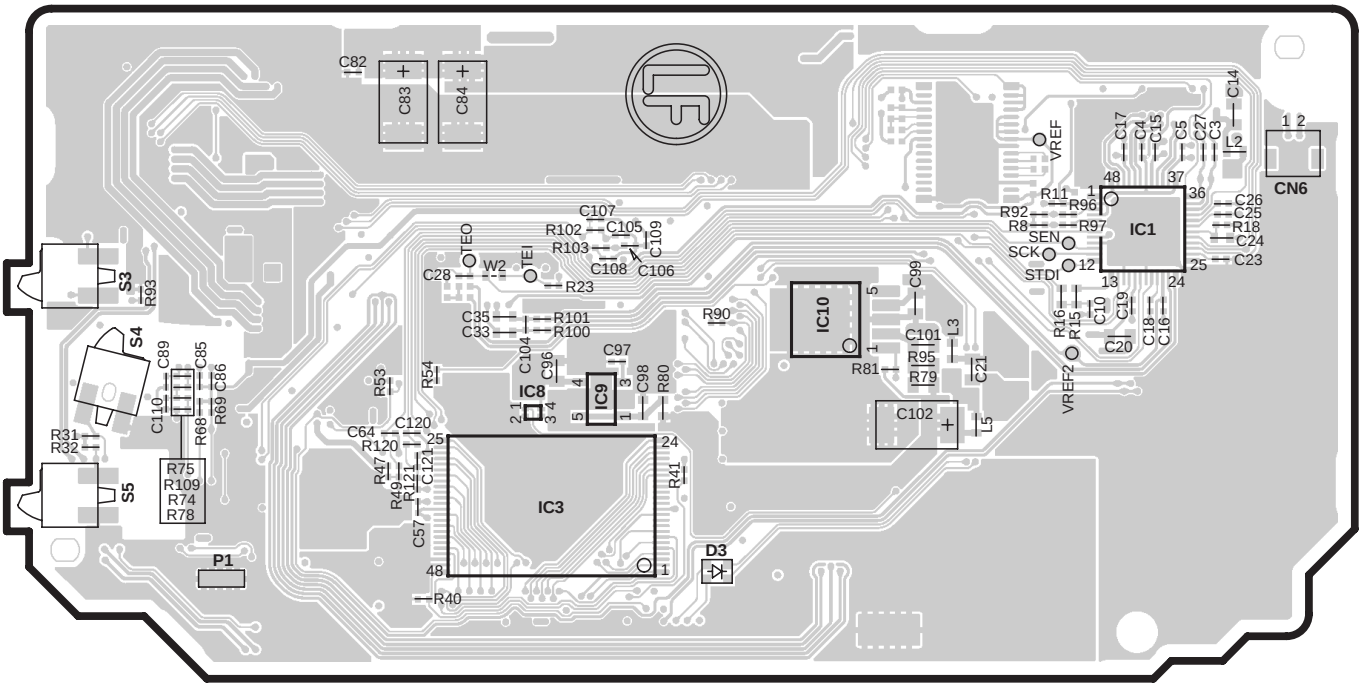
Ref. No.	Address
Q1	5AP
Q2	5AP
Q3	5AP
Q4	5AP
Q6	6AP
Q7	6AP
Q8	6AP
Q9	6AP
Q10	6AP
Q11	6AP
Q54	4AR
Q65	5AS
Q152	4AR
Q200	6AS
Q201	6AR
Q202	6AS
Q204	6AS
Q205	6AT
Q206	6AT
Q207	6AT
Q209	6AT
Q250	5AV
Q252	5AV

Refer to the schematic diagram for the values of resistors and capacitors.

KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD

PC BOARD (COMPONENT SIDE VIEW)

DVD UNIT X37-1070-00 (J76-0067-12)



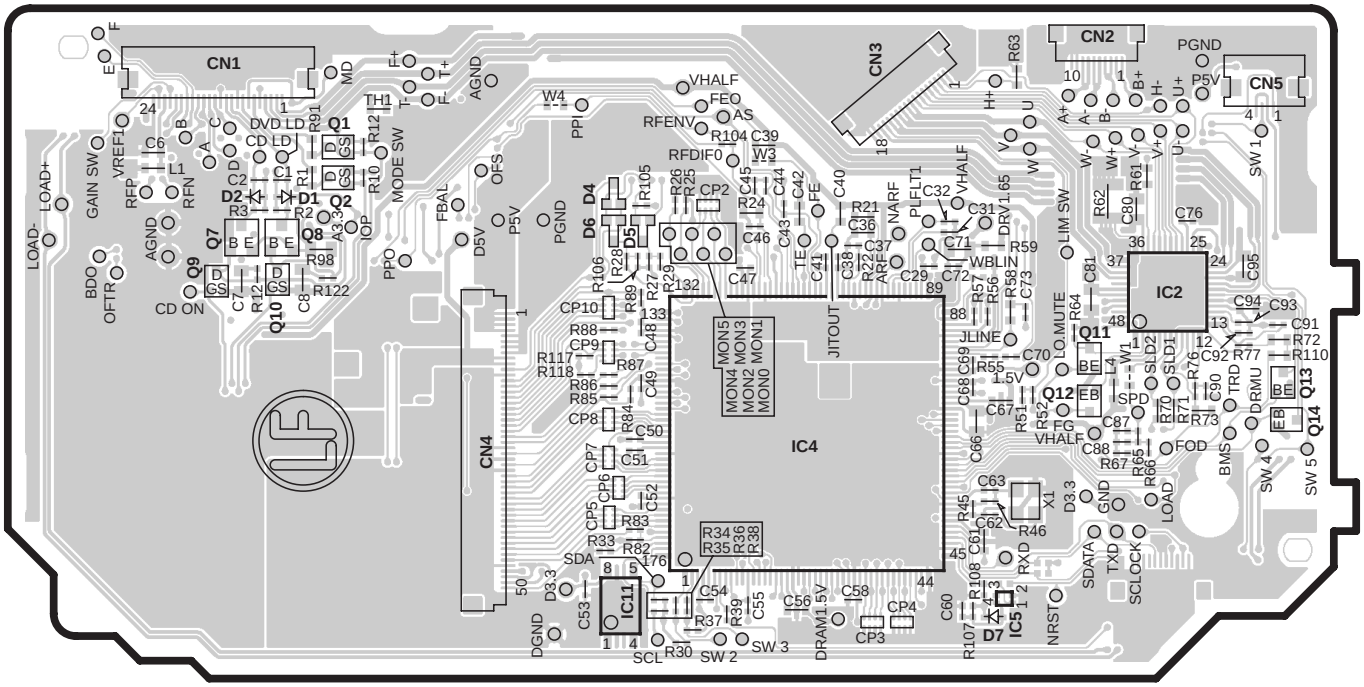
X37-1070-00

Ref. No.	Address
IC1	2BC
IC3	3BA
IC8	3BA
IC9	3BA
IC10	2BB

Refer to the schematic diagram for the values of resistors and capacitors.

PC BOARD (FOIL SIDE VIEW)

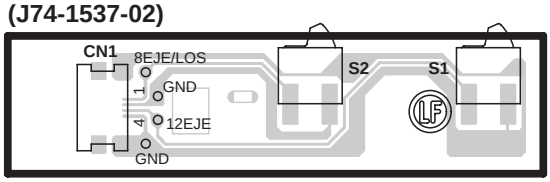
DVD UNIT X37-1070-00 (J76-0067-12)



X37-1070-00

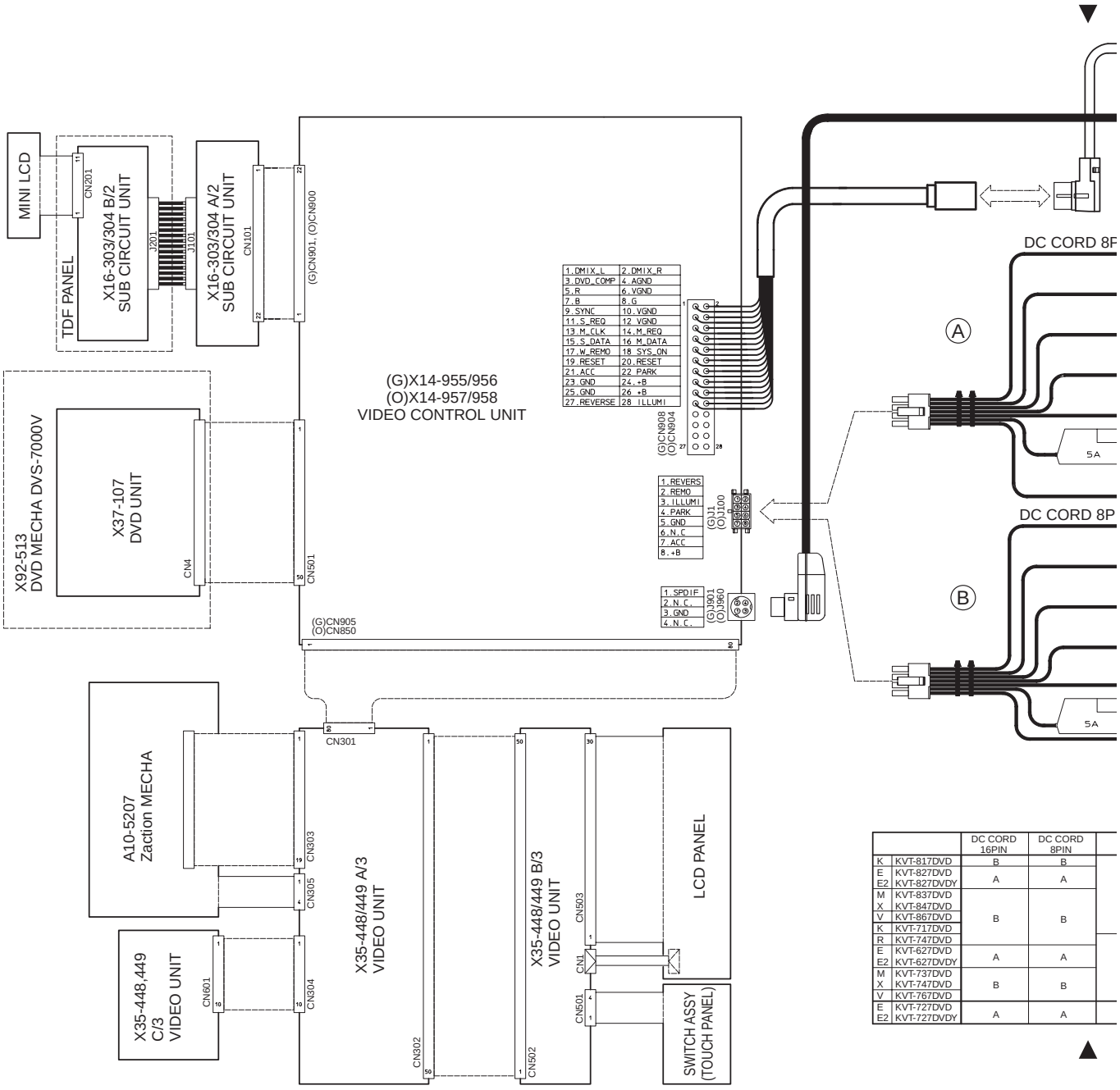
Ref. No.	Address
IC2	2BG
IC4	3BF
IC5	3BG
IC11	3BF
Q1	2BE
Q2	2BE
Q7	2BD
Q8	2BE
Q9	2BD
Q10	2BD
Q11	2BG
Q12	3BG
Q13	3BH
Q14	3BH

SWITCH UNIT X16-2380-00 (J74-1537-02)



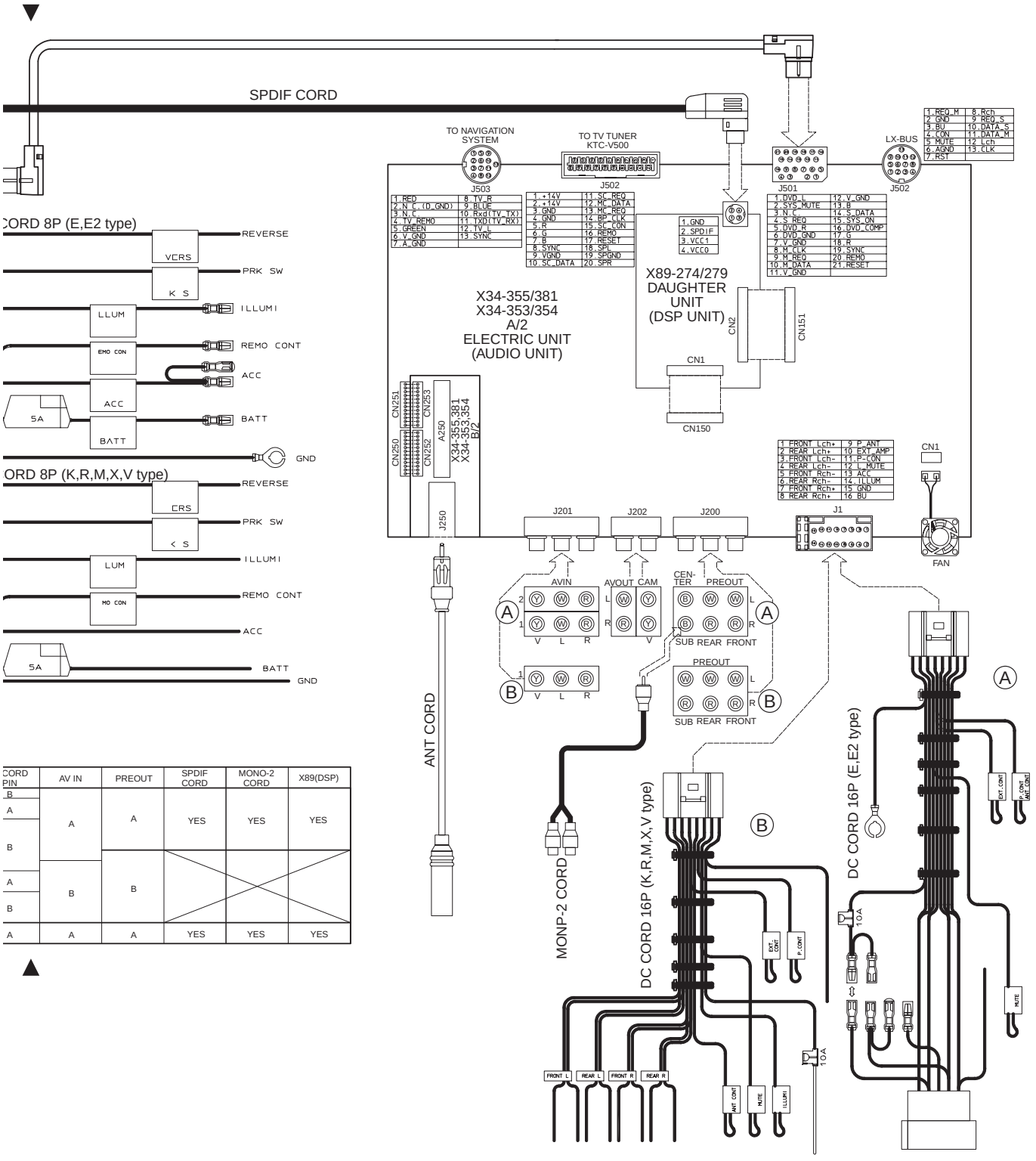
Refer to the schematic diagram for the values of resistors and capacitors.

INTERCONNECTION DIAGRAM

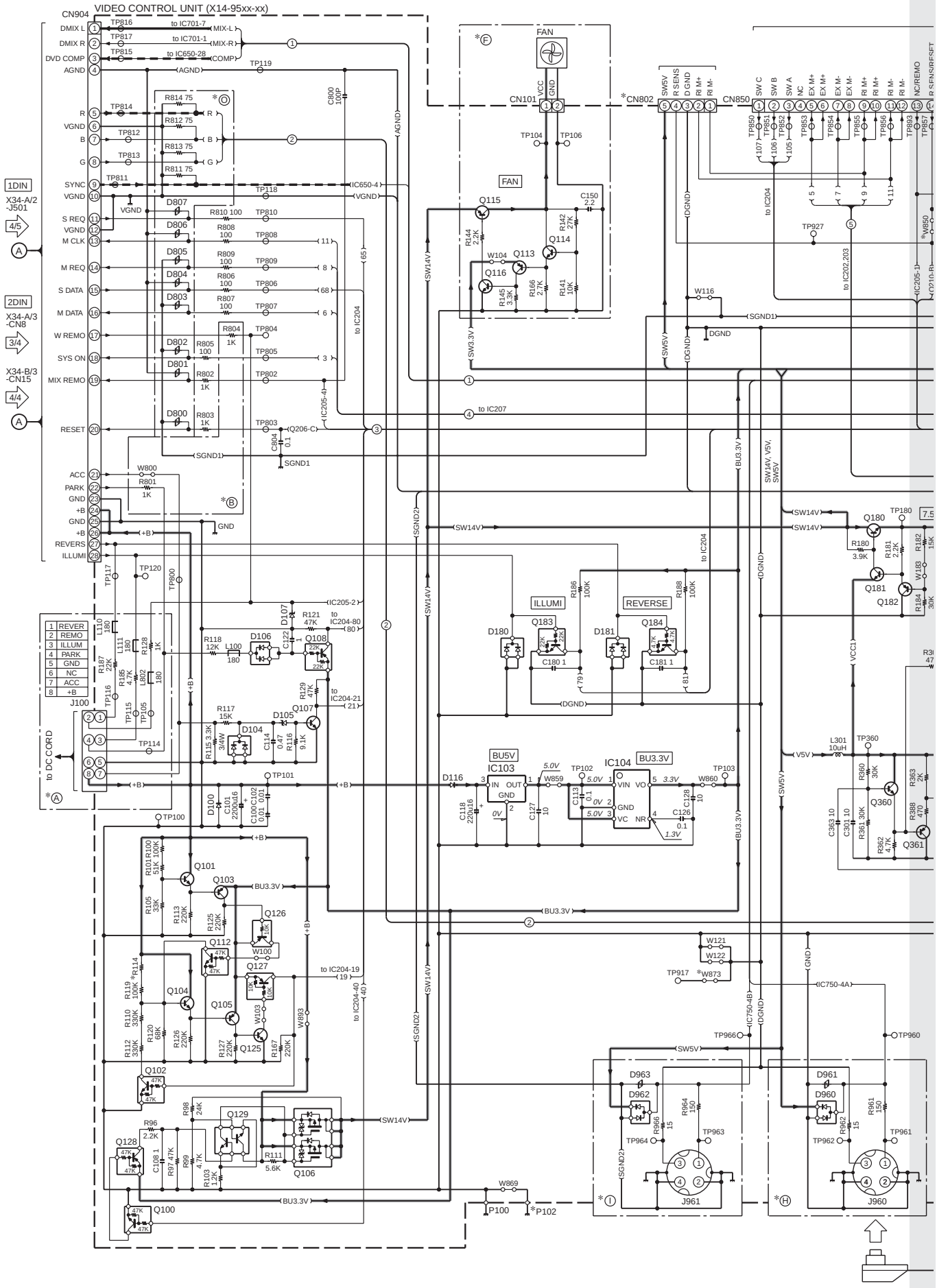


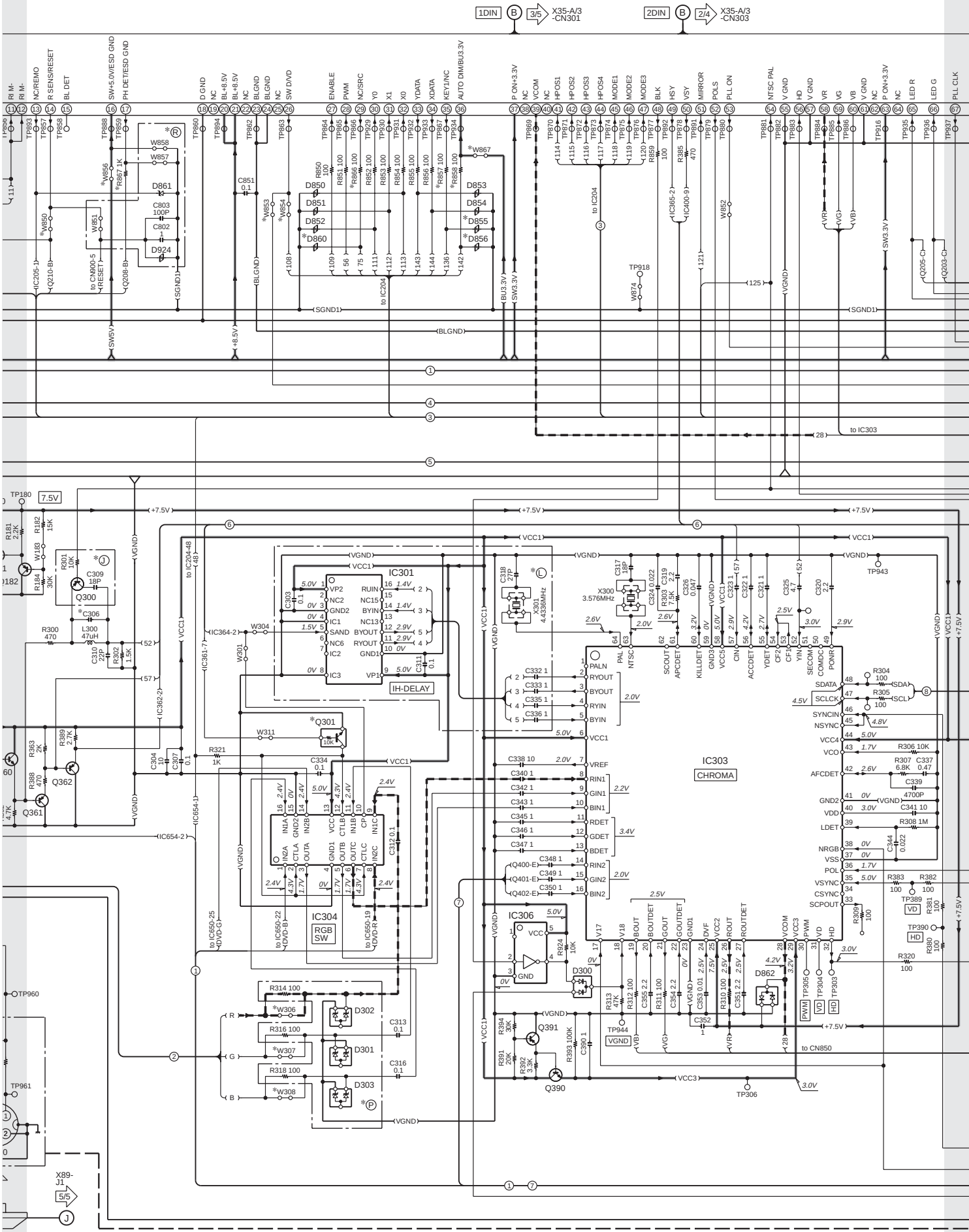
		DC CORD 16PIN	DC CORD 8PIN
K	KVT-817DVD	B	B
E	KVT-827DVD	A	A
E2	KVT-827DVDY		
M	KVT-837DVD	B	B
X	KVT-847DVD		
V	KVT-867DVD		
K	KVT-717DVD		
R	KVT-747DVD		
E	KVT-627DVD	A	A
E2	KVT-627DVDY		
M	KVT-737DVD	B	B
X	KVT-747DVD		
V	KVT-767DVD		
E	KVT-727DVD	A	A
E2	KVT-727DVDY		

INTERCONNECTION DIAGRAM

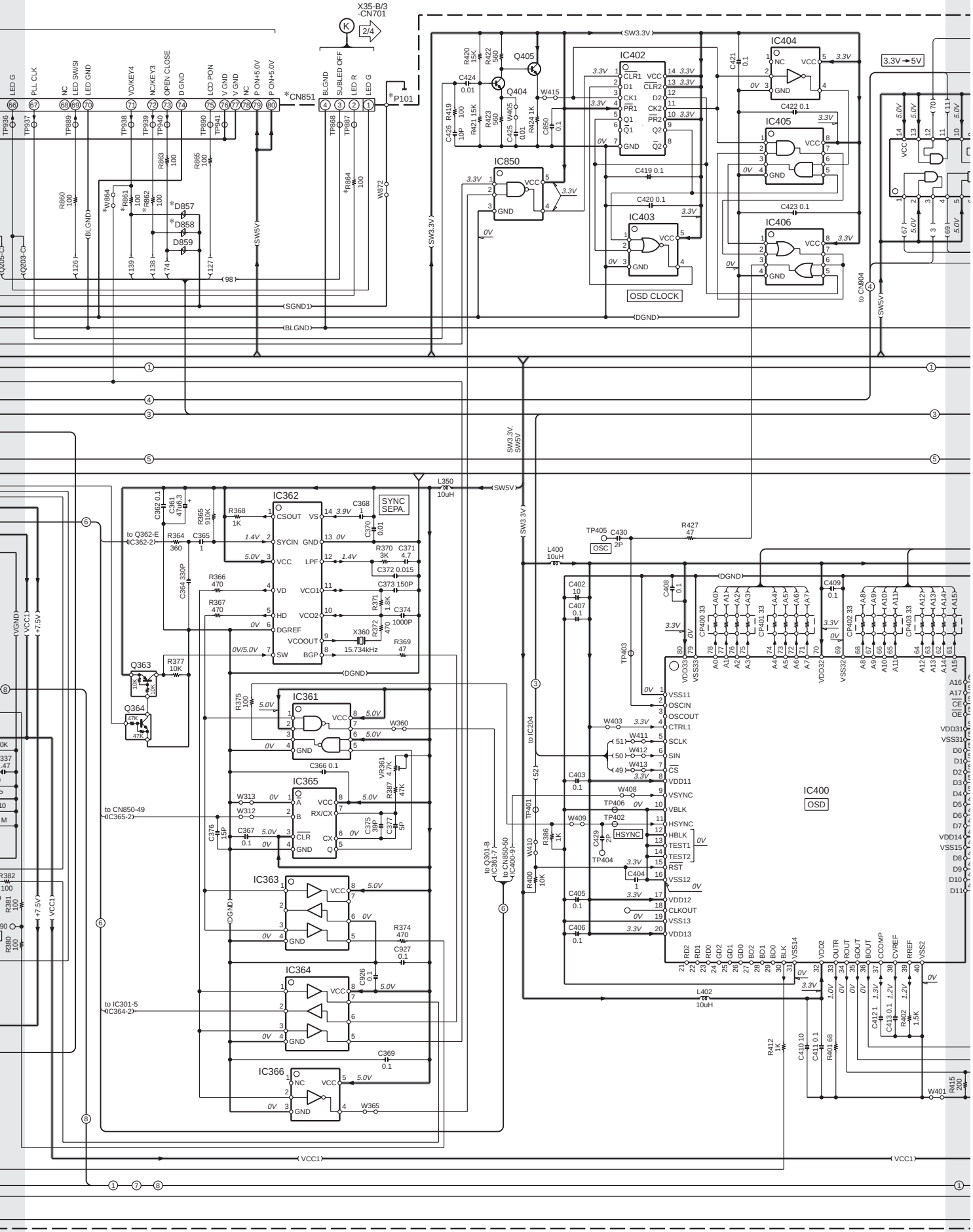


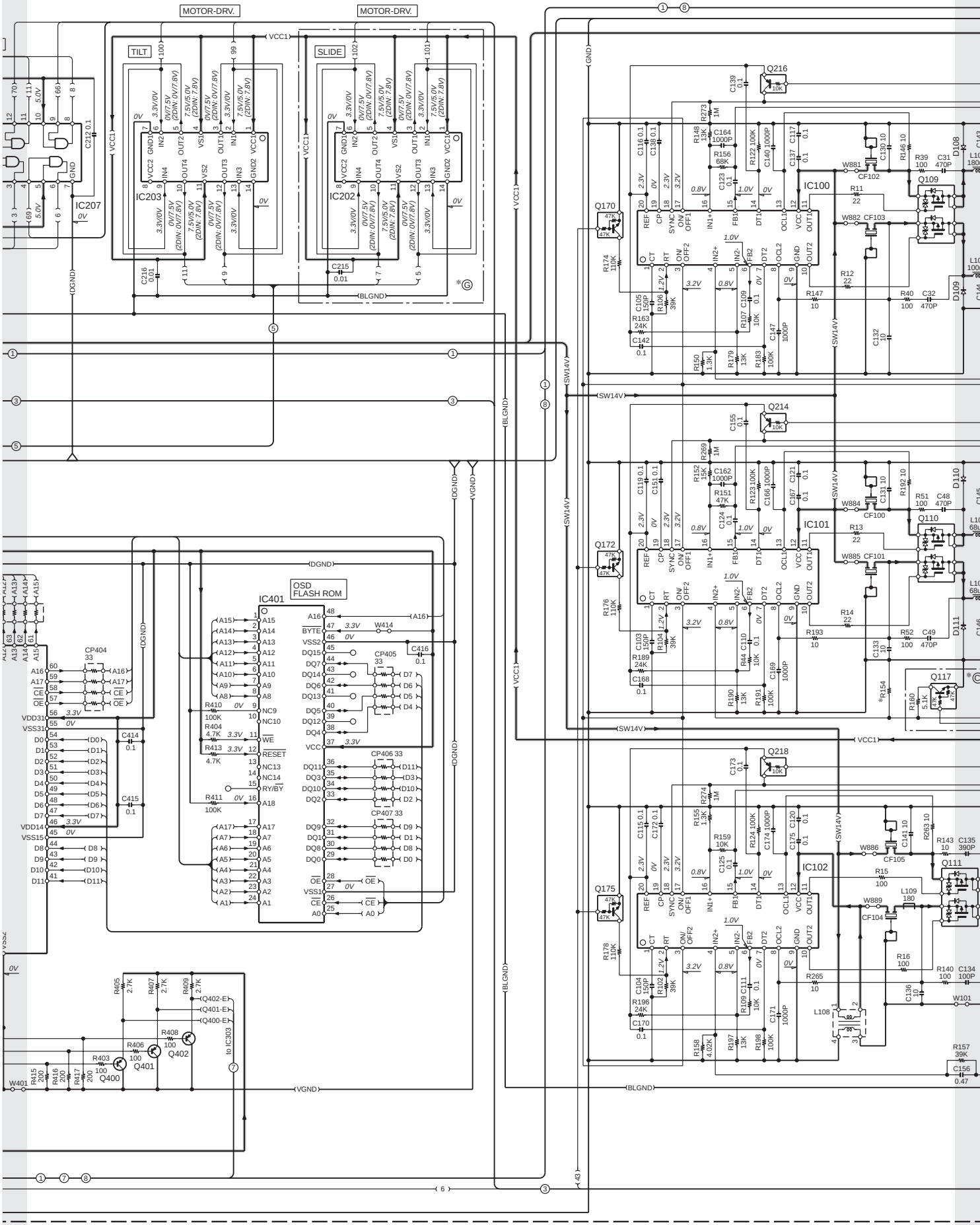
CORD PIN	AV IN	PREOUT	SPDIF CORD	MONO-2 CORD	X89(DSP)
B	A	A	YES	YES	YES
A					
B	B	B			
A					
B					
A	A	A	YES	YES	YES


VIDEO CONTROL UNIT (X14-95xx-xx)
CN904
DMIX L
DMIX R
DVD COMP
AGND
R
VGND
B
G
SYNC
VGND
S REQ
VGND
M CLK
M REQ
S DATA
M DATA
W REMO
SYS ON
MIX REMO
RESET
ACC
PARK
GND
+B
GND
+B
REVERS
ILLUMI
1DIN
X34-A/2
-J501
2DIN
X34-A/3
-CN8
X34-B/3
-CN15
to IC701-7
to IC701-1
to IC650-28
(MIX-L)
(MIX-R)
(COMP)
(AGND)
(IC650-4)
(VGND)
(Q206-C)
SGND1
(IC205-4)
(IC205-2)
to IC204
to IC207
FAN
CN101
CN802
CN850
SW5V
R SENS
D GND
RI M+
RI M-
SW C
SW B
SW A
NC
EX M+
EX M-
NC/REMO
R SENS/RESET
to IC204
to IC202,203
W116
SGND1
DGND
SW14V
SW3.3V
SW5V
BU3.3V
SW14V, V5V, SW5V
ILLUMI
REVERSE
Q180
Q181
Q182
Q183
Q184
D180
D181
IC103
BU5V
IC104
BU3.3V
5.0V
3.3V
1.3V
0V
L301
10uH
V5V
Q360
Q361
J100
to DC CORD
REVER
REMO
ILLUM
PARK
GND
NC
ACC
+B
Q101
Q103
Q126
Q112
Q127
Q104
Q105
Q125
Q102
Q129
Q128
Q106
Q100
to IC204-19
to IC204-40
to IC204-21
to IC204-80
W121
W122
W873
W869
P100
P102
IC750-4A
IC750-4B
TP966
TP960
D963
D962
D961
D960
TP964
TP963
TP962
TP961
J961
J960
*F
*O
*A
*B
*I
*H

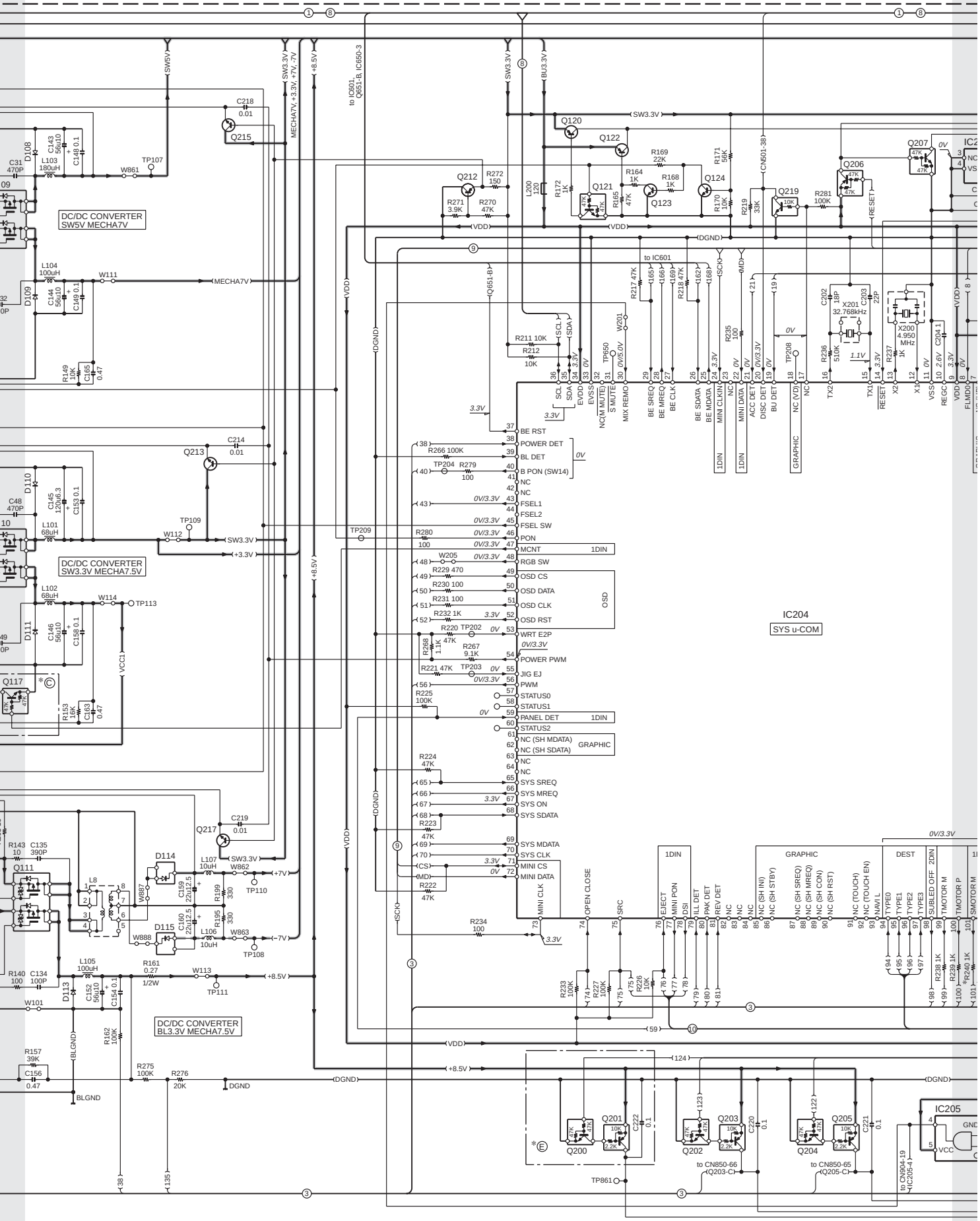

IC301
IH-DELAY
IC303
CHROMA
IC304
RGB SW
IC306
Q300
Q301
Q361
Q362
Q390
Q391
D300
D301
D302
D303
D862
X300 3.576MHz
X301 4.4336MHz
1DIN
2DIN
X35-A/3 -CN301
X35-A/3 -CN303
X89-J1
to IC303
to CN850
to IC204
SDATA
SCLCK
SYNCIN
NSYNC
VCO
AFCDET
LDET
NRGB
POL
VSYNC
CSYNC
SCPOUT
PALN
RYOUT
BYOUT
RYIN
BYIN
VREF
RIN1
GIN1
BIN1
RDET
GDET
BDET
RIN2
GIN2
BIN2
PAL
NTSC
SCOUT
APCDET
KILLDET
ACCDET
YDET
CIN
COMDC
PONR
SECOM
YIN
CF1
CF2
VCC1
VCC3
VCC4
VGND
+7.5V
+8.5V
SW5V
SW3.3V
BU3.3V
SGND1
BLGND

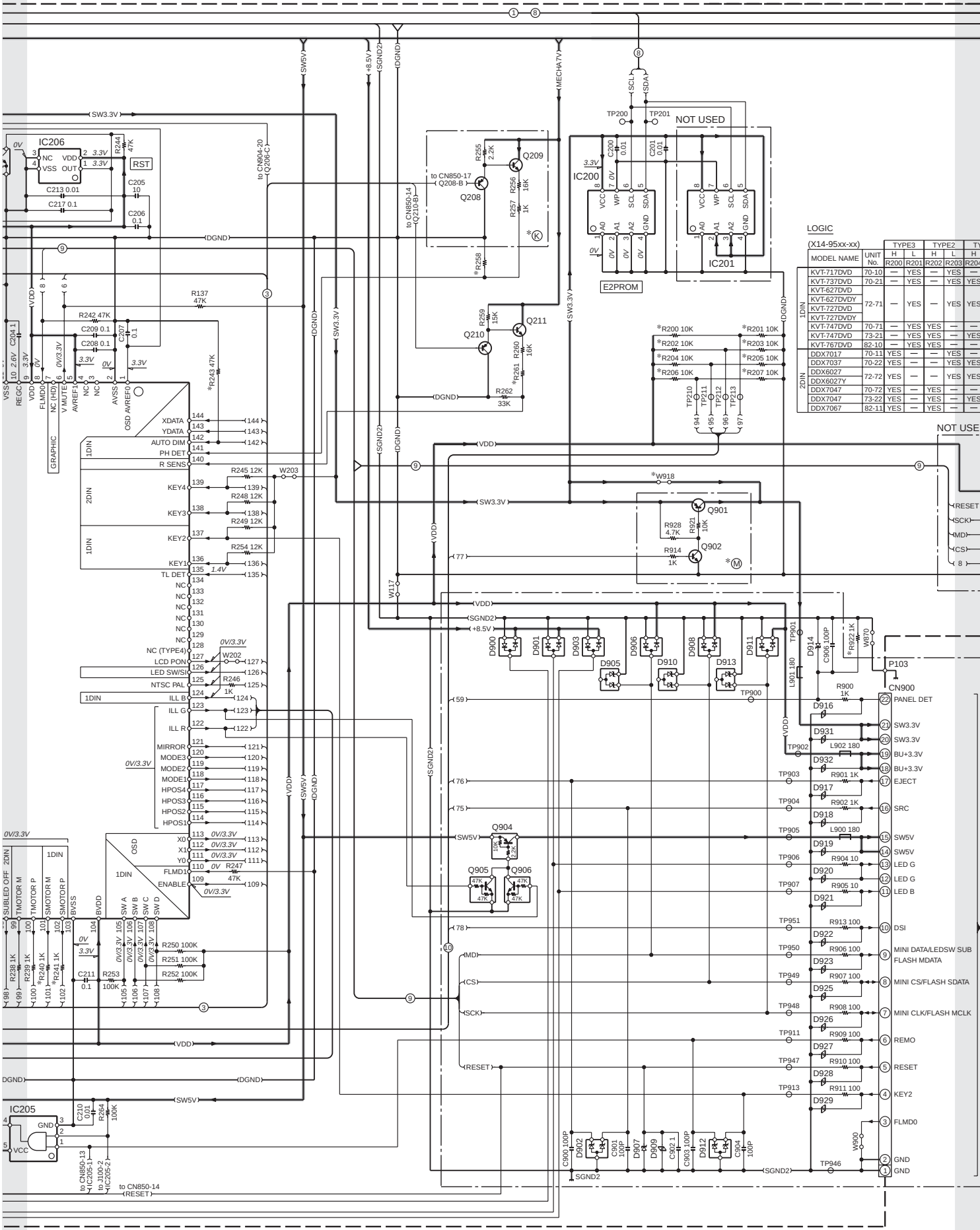
KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD



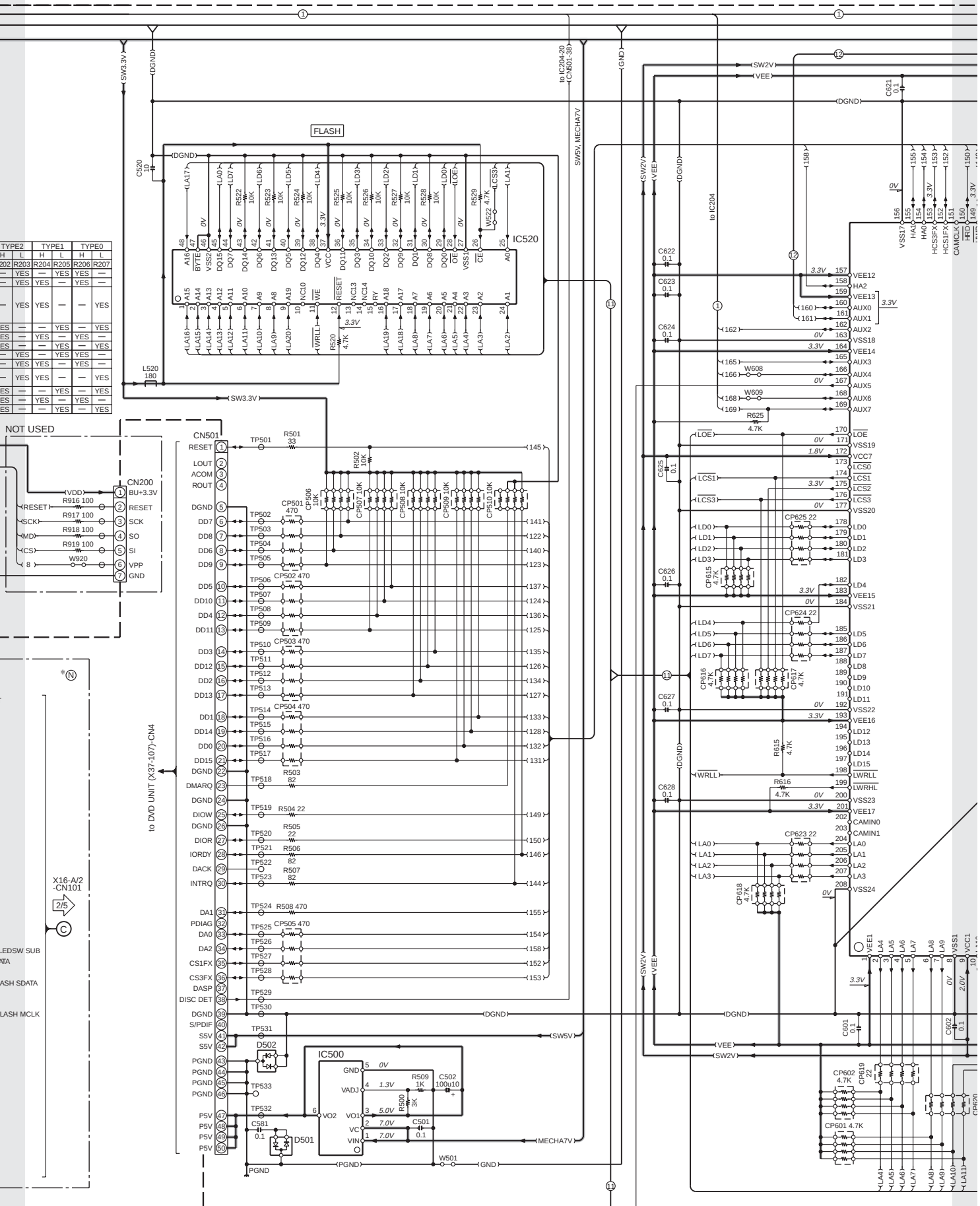

MOTOR-DRV.
MOTOR-DRV.
TILT
SLIDE
IC203
IC202
IC207
IC401
OSD FLASH ROM
IC100
IC101
IC102
Q216
Q214
Q218
Q170
Q172
Q175
Q109
Q110
Q111
Q117
Q401
Q402
Q400
VCC1
SW14V
VGND
DGND
BLGND
W414
W881
W882
W884
W885
W886
W889
W401
W101
CF102
CF103
CF100
CF101
CF105
CF104

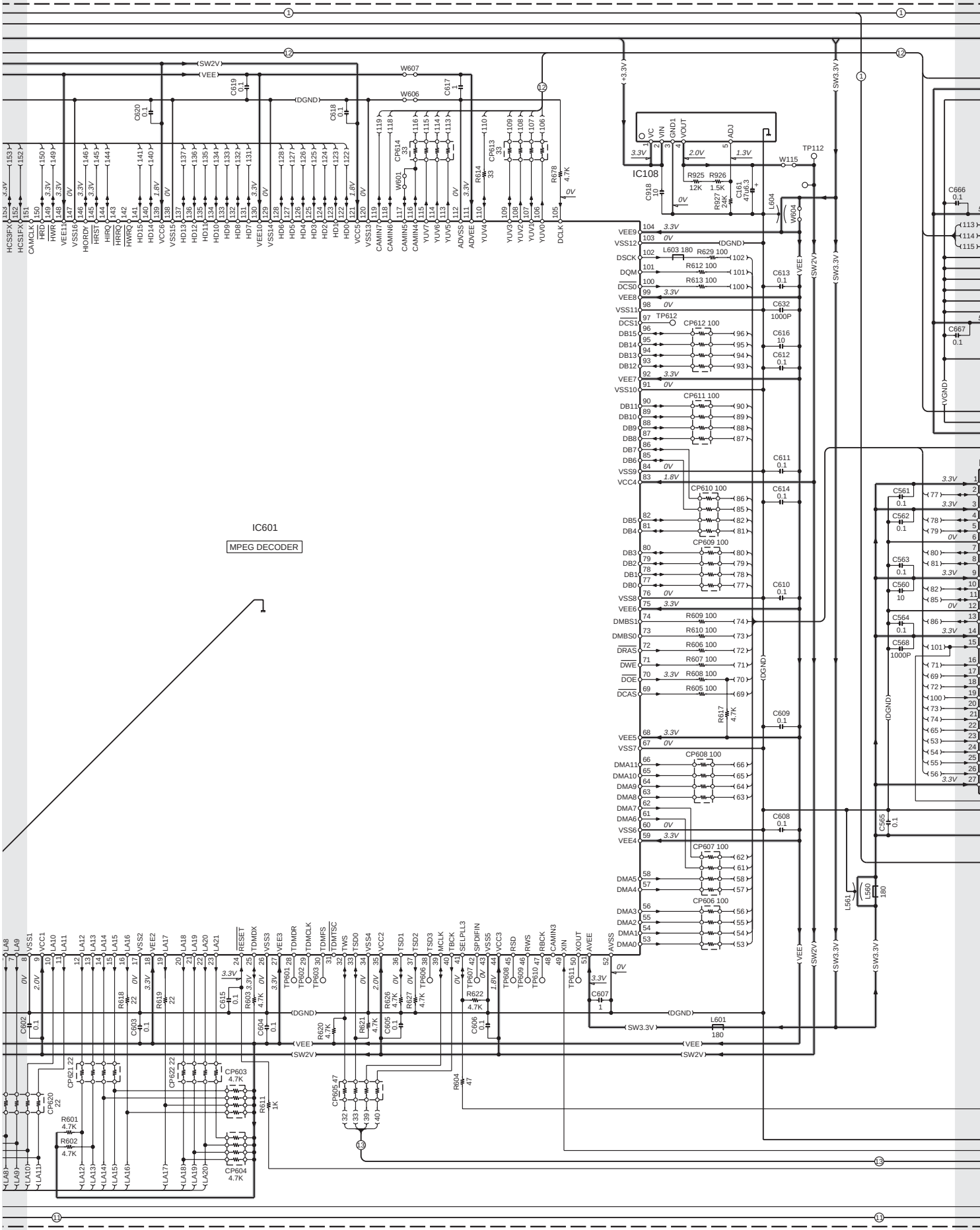
KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD



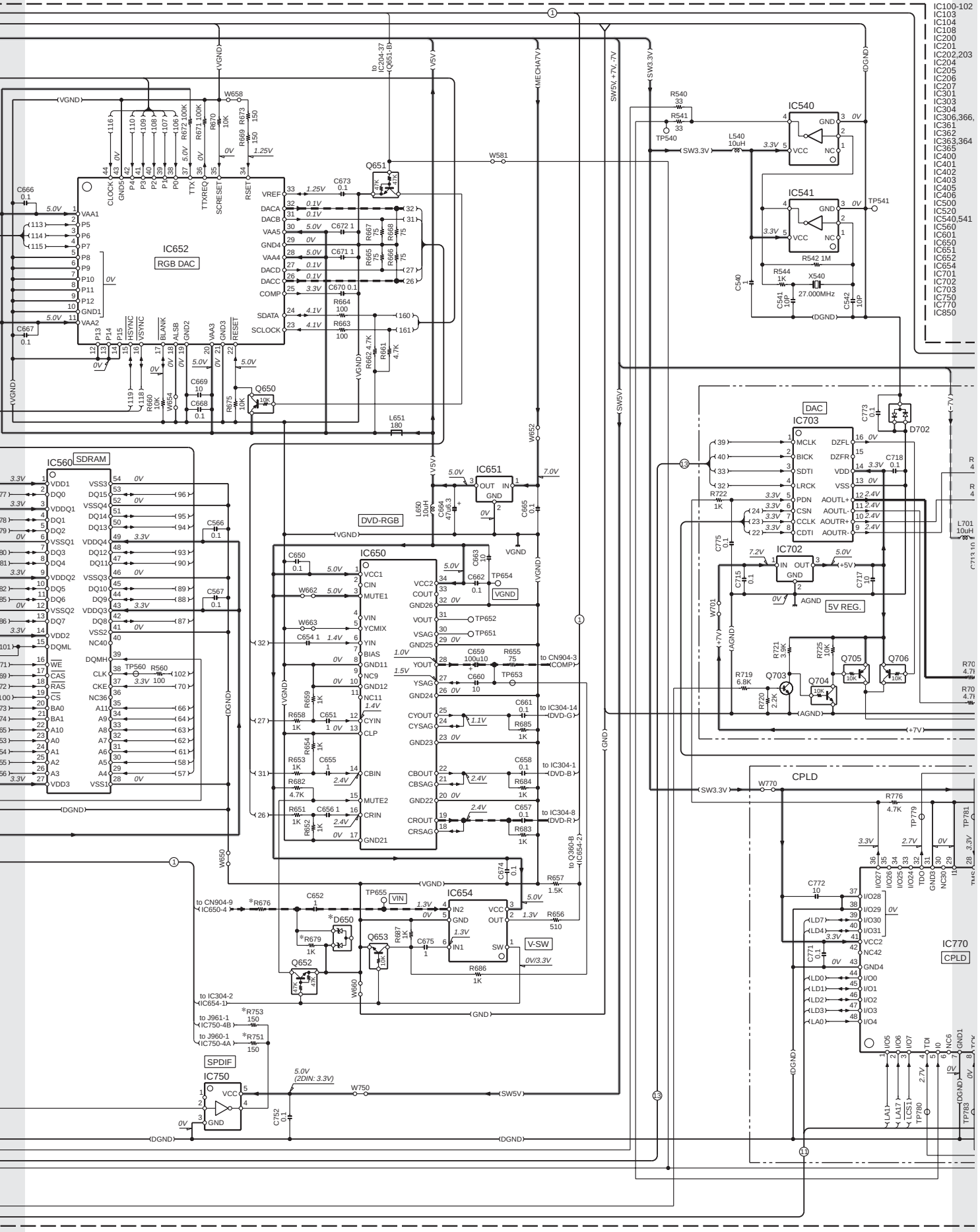

IC206
RST
IC200
IC201
E2PROM
NOT USED
IC205
Q209
Q208
Q211
Q210
Q901
Q902
Q904
Q905
Q906
CN900
P103
LOGIC
(X14-95xx-xx)
MODEL NAME
UNIT No.
TYPE3
TYPE2
KVT-717DVD 70-10
KVT-737DVD 70-21
KVT-627DVD 72-71
KVT-627DVDY
KVT-727DVD
KVT-727DVDY
KVT-747DVD 73-21
KVT-747DVD 82-10
KVT-767DVD
DDX7017 70-11
DDX7037 70-22
DDX6027 72-72
DDX6027Y
DDX7047 70-72
DDX7047 73-22
DDX7067 82-11
1DIN
2DIN
GRAPHIC
PANEL DET
SW3.3V
BU+3.3V
EJECT
SRC
SW5V
LED G
LED B
DSI
MINI DATA/LEDSW SUB
FLASH MDATA
MINI CS/FLASH SDATA
MINI CLK/FLASH MCLK
REMO
RESET
KEY2
FLMD0
GND
to CN850-13 (IC205-1)
to J100-2 (IC205-2)
to CN850-14 (RESET)

KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD




IC601
MPEG DECODER
IC108
(SW2V)
(VEE)
(DGND)
W607
W606
W601
W604
W115
TP112
TP612
C619 0.1
C620 0.1
C618 0.1
C617 1
C666 0.1
C667 0.1
C561 0.1
C562 0.1
C563 0.1
C560 10
C564 0.1
C568 1000P
C565 0.1
C632 1000P
C616 10
C614 0.1
C613 0.1
C612 0.1
C611 0.1
C610 0.1
C609 0.1
C608 0.1
C607 1
C615 0.1
C602 0.1
C603 0.1
C604 0.1
C605 0.1
C606 0.1
C161 470 6.3
C918 10
L603 180
L604
L560 180
L561
L601 180
R629 100
R612 100
R613 100
R609 100
R610 100
R606 100
R607 100
R608 100
R605 100
R617 4.7K
R622 4.7K
R626 4.7K
R627 4.7K
R620 4.7K
R621 4.7K
R618 22
R619 22
R925 12K
R926 1.5K
R927 2K
R678 4.7K
R614 33
R604 47
R611 1K
R601 4.7K
R602 4.7K
CP612 100
CP611 100
CP610 100
CP609 100
CP608 100
CP607 100
CP606 100
CP614 33
CP613 33
CP603 4.7K
CP604 4.7K
CP605 47
CP621 22
CP622 22
CP620 22
+3.3V
SW3.3V
SW2V
VEE
VGND
DGND
3.3V
2.0V
1.8V
1.3V
0V

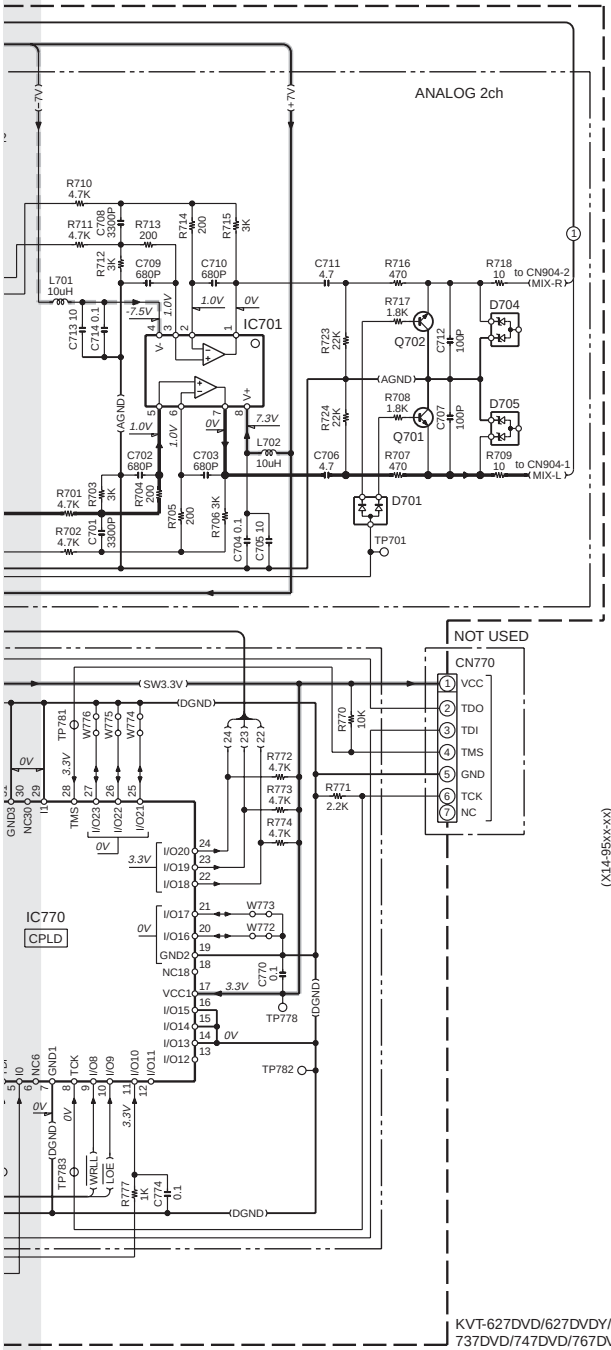
KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD



IC100-102	: FA7707E-H1
IC103	: TA58L05F
IC104	: PQ1X331M2ZPH
IC108	: SI-3012KM
IC200	: BR24L08FV-W
IC201	: NOT USED
IC202,203	: LB1836M-TLM-E
IC204	: 703265YGJ501A
IC205	: TC7SH08FU-F
IC206	: S-80830CNNB-G
IC207	: TC74VHCT08AFT
IC301	: TDA4665T-F
IC303	: AN2546FH-AV
IC304	: MM1389XFBE-E
IC306,366,404	: TC7SH04FU-F
IC361	: TC7W00FU-F
IC362	: NJW1303V-ZB
IC363,364	: TC7W34FU-F
IC365	: TC7WH123FU-F
IC400	: LC74735NW9817E
IC401	: MB29LV8T9T0U1
IC402	: TC74LCX74FT
IC403	: TC7S02FU-F
IC405	: TC7W08FU-F
IC406	: TC7W32FU-F
IC500	: PQ070XH02ZPH
IC520	: M29LV160T72U5
IC540,541	: TC7SHU04FU-F
IC560	: K4S281632FUP75
IC601	: ES6218SF
IC650	: MM1567AJBE-E
IC651	: UPC2905ATAZ
IC652	: ADV7170KSUZ
IC654	: MM1508XNRE-E
IC701	: NJM4580V-ZB
IC702	: TA78L05F-F
IC703	: AK4382AVT
IC750	: TC7SET04FU-F
IC770	: M43212VNI8R01
IC850	: TC7SH00FU-F

Q100,102,112,117,121,170,172,175,200,202,204, 207,364,651,652,905,906	: DTC144EUA
Q101,104,107,114,116,123-125,180,181,209,211, 213,215,217,360,390,404,405,701-703,902	: 2SC4081
Q103,105,113,120,122,182,208,210,212,300, 361,362,391,400-402	: 2SA1576A
Q106	: HAT1038R-E
Q108	: DTA124EUA
Q109-111	: HAT1024R-E
Q115,901	: 2SB1189
Q126,214,216,218,650,705,706	: DTA114TUA
Q127,363	: DTA114EUA
Q128,206	: DTA144EUA
Q129	: IMX9
Q183	: DTC124EUA
Q184	: DTC143EUA
Q201203,205,904	: DTB123YK
Q219,301,653,704	: DTC114TUA
D100	: 1SR154-400
D104,106,180,181,300	: DAN202U
D105	: UDZS6.8B
D107,861,907,914	: UDZS6.2B
D108-111,113	: EC31QS04AG
D114,115	: SB05-05CP-E
D116	: MA2S784-F
D301-303,650,704,705,902,905, 910,912,913	: STZ6.2N
D501,502,702,862,900,901,903, 906,908,911,960,962	: DA204U
D701	: DAP202U
D800,850-860,909,924	: AVRM1608120M6A
D801-807,923,925,926	: AVRM1608270MAB
D916-922,927-929,931,932	: AVRM1608180M6A
D961,963	: AVRM1608270MAA

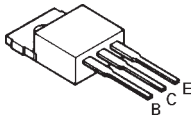
VIDEO LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE



KVT-627DVD/627DVDY/717DVD/ 737DVD/747DVD/767DVD (1/4)

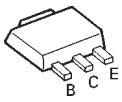
(X14-95xx-xx) MODEL NAME	UNIT NO.	(A)	(C)	(E)	(G)	(D)	(K)	(N)	(O)	(P)	(B)	(F)	(L)	(R)	(J)	(L)	(M)	C306	CN902 851	D650, 855,856	D657, 858,860	P101 102	Q301	R154	R114	R240,241,751 857,858,867	R243,679,753,861 862,864,866,922	R258	R261	R676	W306-308 853,867,873	W650,854, 856,864	W918
KVT-717DVD	70-10	YES				YES					—				YES	YES	YES	47P	—	YES	—	YES	—	3K	11K	YES	—	33K	1K	100	—	YES	—
KVT-737DVD	70-21	YES				YES					—				YES	—	YES	27P	—	YES	—	YES	—	3K	11K	YES	—	33K	1K	100	—	YES	—
KVT-627DVD	72-71	YES				YES					—				YES	YES	—	27P	—	YES	—	YES	YES	3K	11K	YES	—	33K	1K	100	—	YES	—
KVT-627DVDY																																	
KVT-727DVD																																	
KVT-727DVDY																																	
KVT-747DVD	70-71					YES					—				YES	YES	—	27P	—	YES	—	YES	—	3K	11K	YES	—	33K	1K	100	—	YES	—
KVT-747DVD	73-21					YES					—				—	—	—	47P	—	YES	—	YES	—	3K	11K	YES	—	33K	1K	100	—	YES	—
KVT-767DVD	82-10					YES					—				YES	YES	—	27P	—	YES	—	YES	—	3K	11K	YES	—	33K	1K	100	—	YES	—
DDX7017	70-11					—					YES				—	—	—	47P	YES	—	YES	—	—	1.8K	6.8K	—	—	100K	3.9K	1K	YES	—	—
DDX7037	70-22					—					YES				YES	YES	—	27P	YES	—	YES	—	—	1.8K	6.8K	—	—	100K	3.9K	1K	YES	—	—
DDX6027	72-72					—					YES				YES	YES	—	27P	YES	—	YES	—	—	1.8K	6.8K	—	—	100K	3.9K	1K	YES	—	—
DDX6027Y																																	
DDX7047	70-72					—					YES				YES	YES	—	27P	YES	—	YES	—	—	1.8K	6.8K	—	—	100K	3.9K	1K	YES	—	—
DDX7047	73-22					—					YES				—	—	—	47P	YES	—	YES	—	—	1.8K	6.8K	—	—	100K	3.9K	1K	YES	—	—
DDX7067	82-11					—					YES				YES	YES	—	27P	YES	—	YES	—	—	1.8K	6.8K	—	—	100K	3.9K	1K	YES	—	—

2SB1565

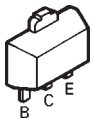


DTA123JK
DTA144EUA
DTB123YK
DTC114YUA
DTC124EE
2SA1576A
2SC4617

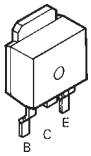
2SB1188



2SC2873-F



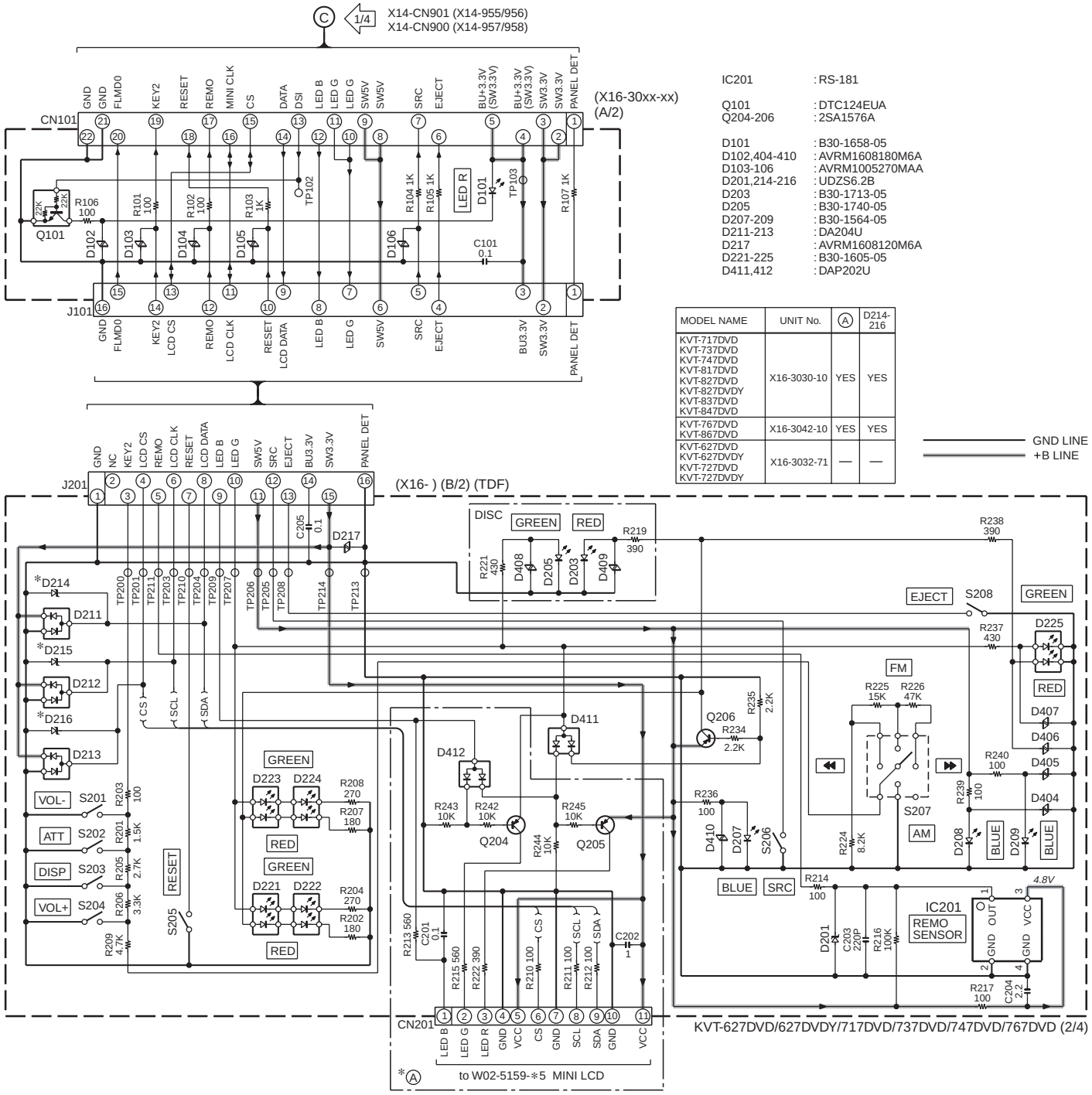
2SB1184



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

- DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD



IC201 : RS-181

Q101 : DTC124EUA
Q204-206 : 2SA1576A

D101 : B30-1658-05
D102,404-410 : AVRM1608180M6A
D103-106 : AVRM1005270MAA
D201,214-216 : UDZS6.2B
D203 : B30-1713-05
D205 : B30-1740-05
D207-209 : B30-1564-05
D211-213 : DA204U
D217 : AVRM1608120M6A
D221-225 : B30-1605-05
D411,412 : DAP202U

MODEL NAME	UNIT No.	Ⓐ	D214-216
KVT-717DVD KVT-737DVD KVT-747DVD KVT-817DVD KVT-827DVD KVT-827DVDY KVT-837DVD KVT-847DVD	X16-3030-10	YES	YES
KVT-767DVD KVT-867DVD	X16-3042-10	YES	YES
KVT-627DVD KVT-627DVDY KVT-727DVD KVT-727DVDY	X16-3032-71	—	—

GND LINE
+B LINE

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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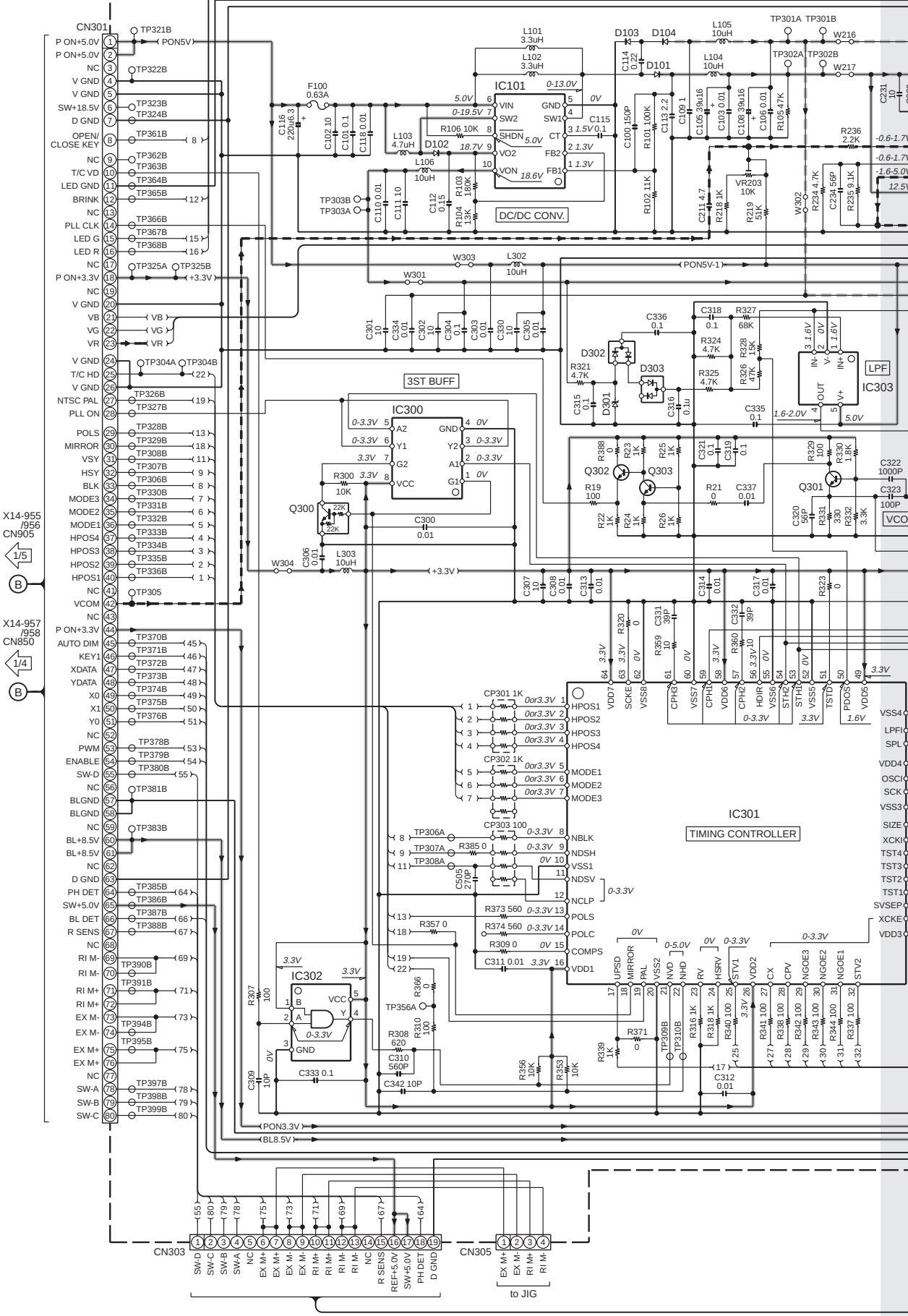
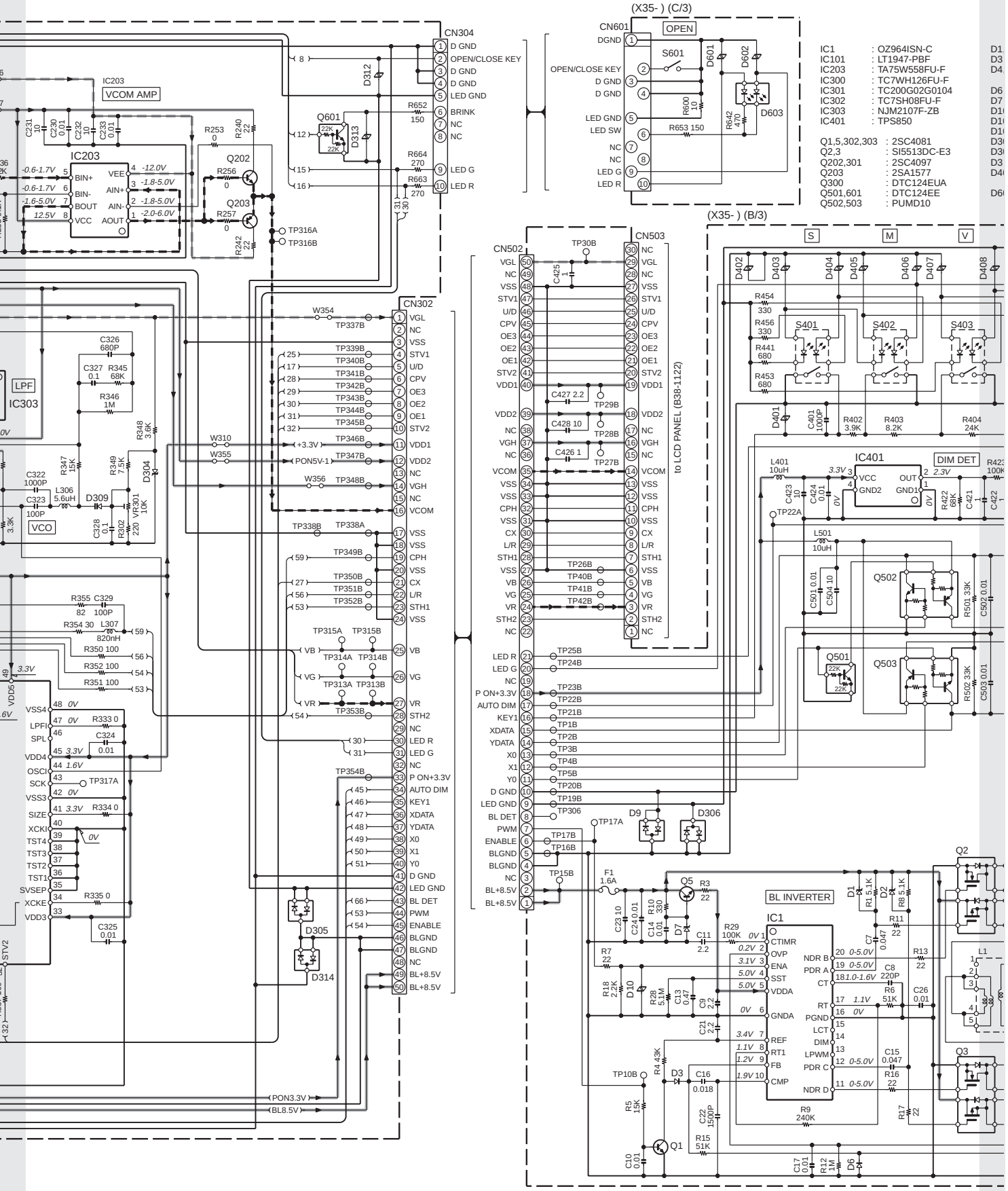
(X35-4480-10) (A/3) : EXCEPT KVT-767DVD
(X35-4492-10) (A/3) : KVT-767DVD ONLY



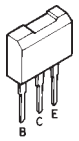
KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD



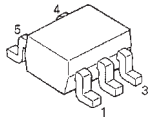
IC1	: OZ964ISN-C	D1	
IC101	: LT1947-PBF	D3	
IC203	: TA75W558FU-F	D4	
IC300	: TC7WH126FU-F		
IC301	: TC200G02G0104	D6	
IC302	: TC7SH08FU-F	D7	
IC303	: NJM2107F-ZB	D1(	
IC401	: TPS850	D1(	
		D1(	
Q1,5,302,303	: 2SC4081	D3(	
Q2,3	: SI5513DC-E3	D3(	
Q202,301	: 2SC4097	D3	
Q203	: 2SA1577	D4(	
Q300	: DTC124EUA		
Q501,601	: DTC124EE	D6(	
Q502,503	: PUMD10		

D1,2	: UDZS4.7B
D3	: 1SS355
D4,5,9,302,303,305,306,314	: DA204U
D6	: MA2S784-F
D7	: UDZS5.6B
D10	: AVRM1005270MAA
D101,103,104	: EPO5004
D102	: EPO5006
D301,304	: UDZS5.1B
D309	: 1SV231-F
D312,313,401	: AVRM1608120M6A
D402-410,601,602	: AVRM1608180M6A
D603	: B30-1605-05

2SB1443



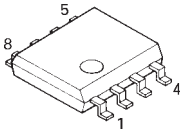
UMC2N



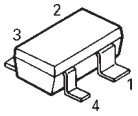
DAP202U
DA204U
DTA114YUA

DTC323TU
2SA1774
2SC4081

TA75W558FU-F
TC7W00FU-F

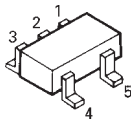


DA227



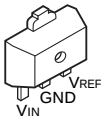
DAN202U

TC7SH04FU-F
TC7SH08FU-F

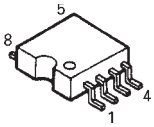


DTA114EUA
DTA114TUA
DTA124EUA
DTC114EUA
DTC124EUA
DTC143EUA
DTC144EUA

TA78L05F-F



BA3121F



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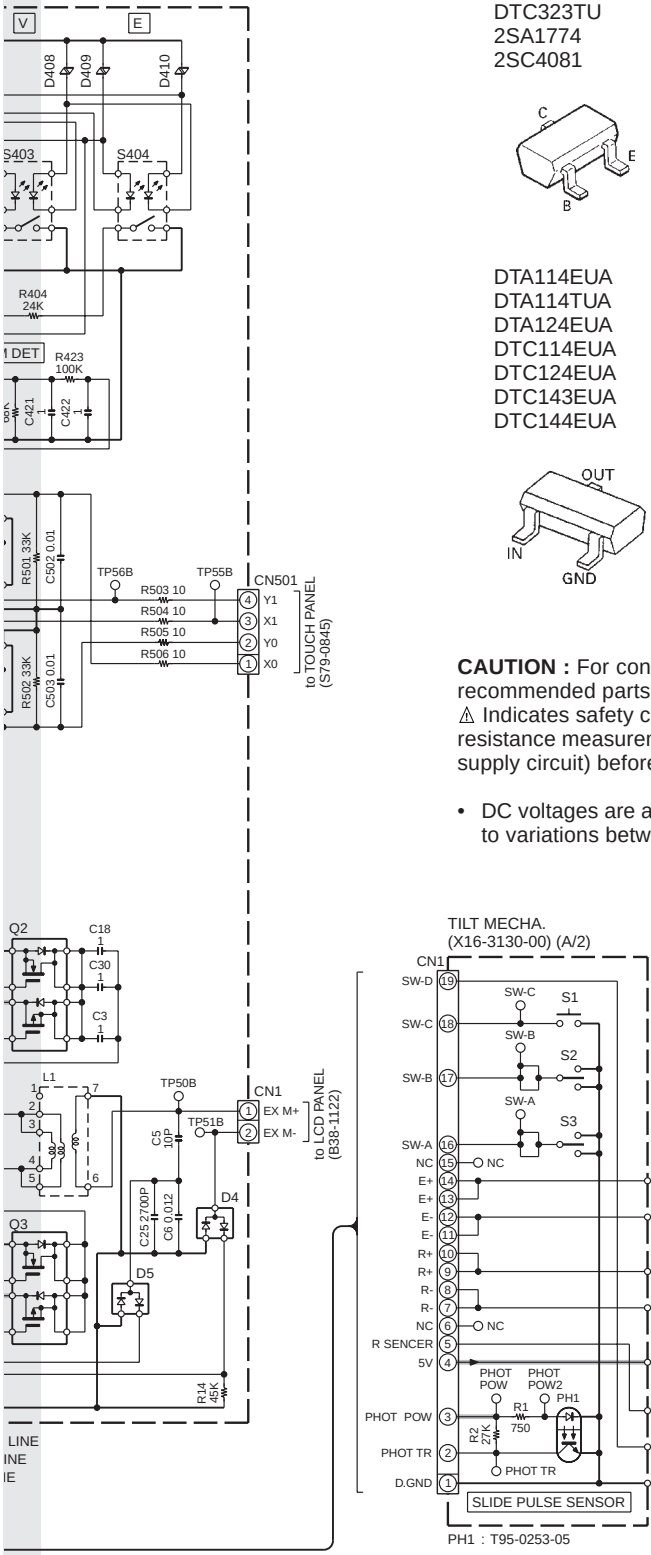
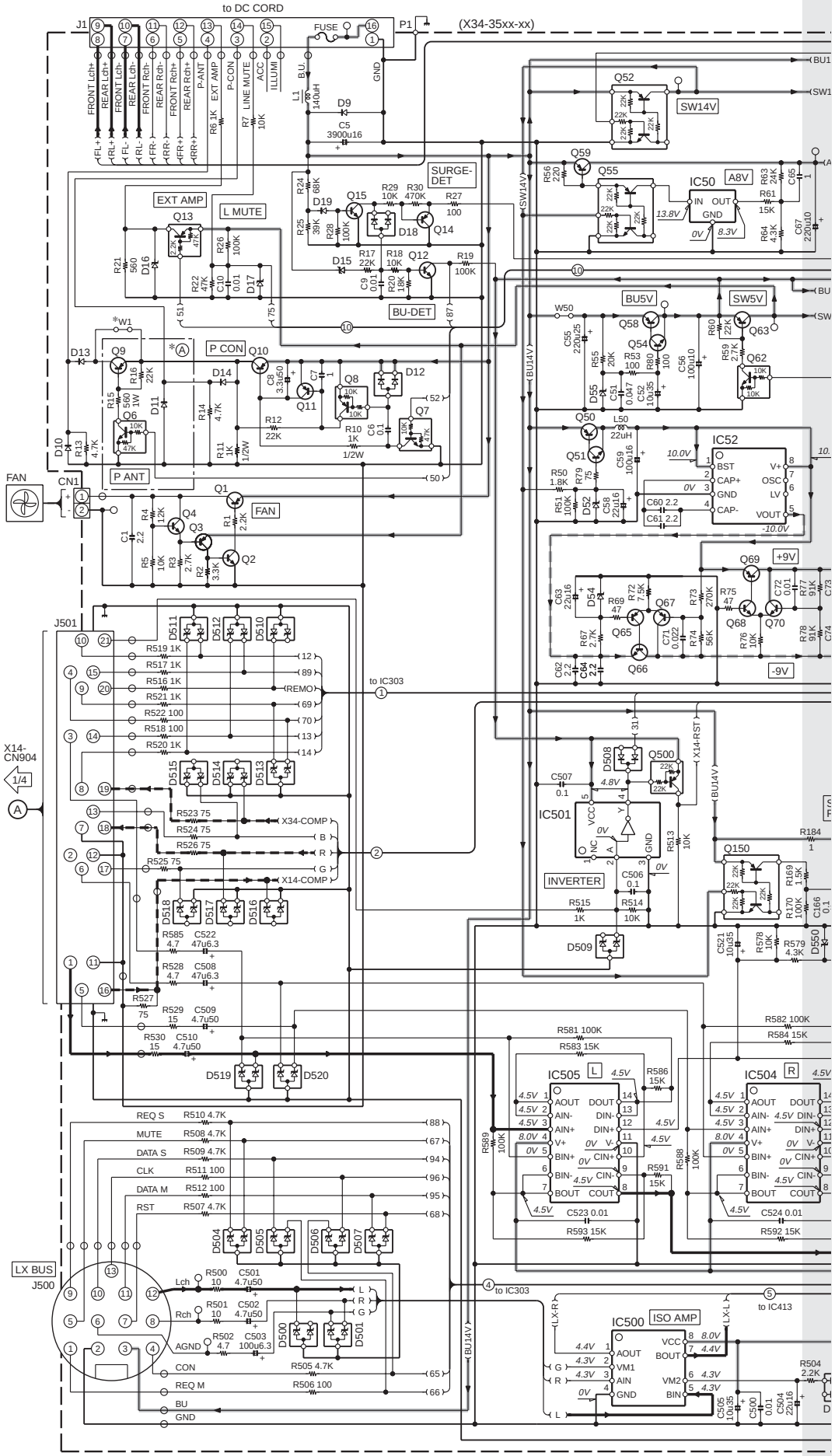
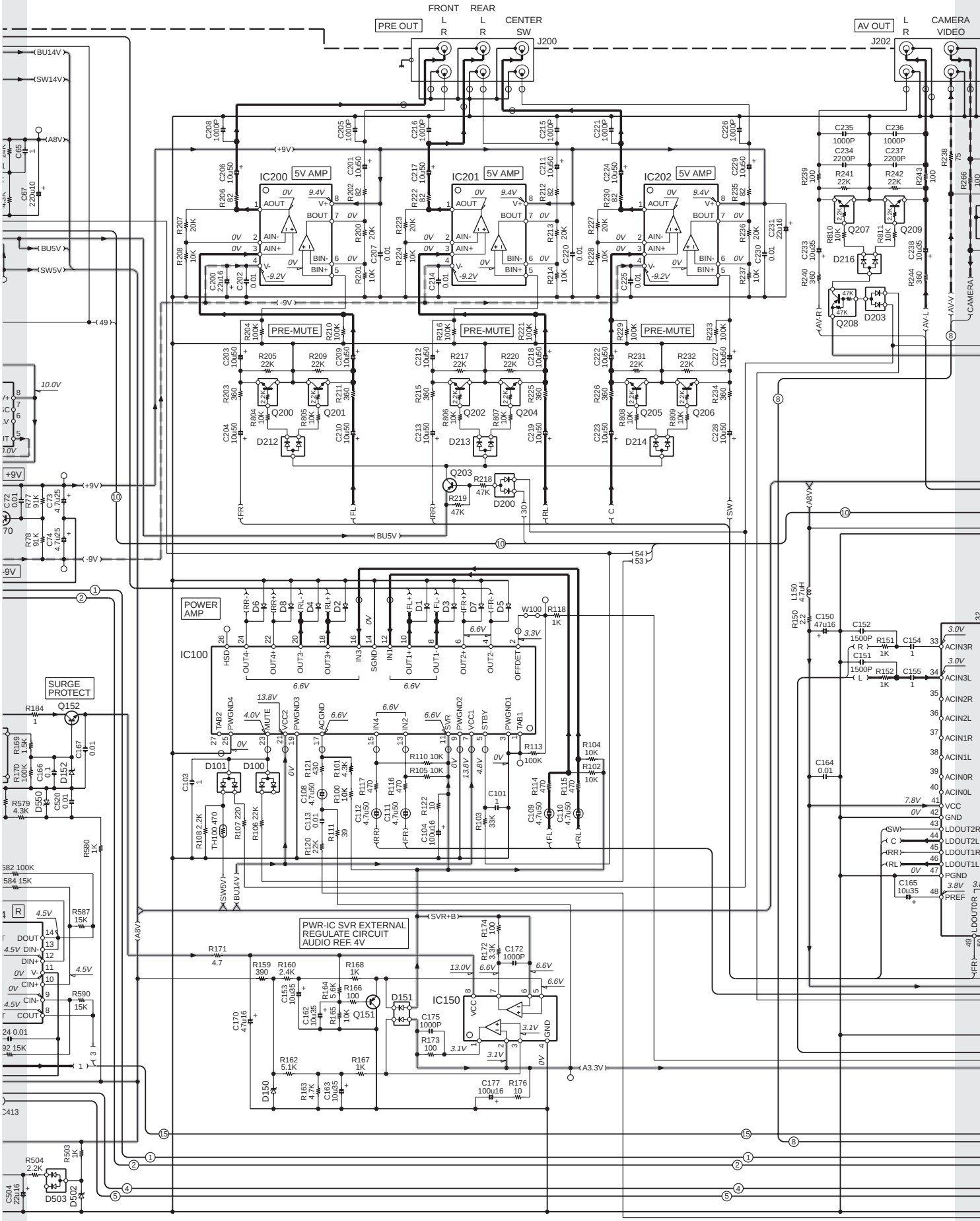


KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD

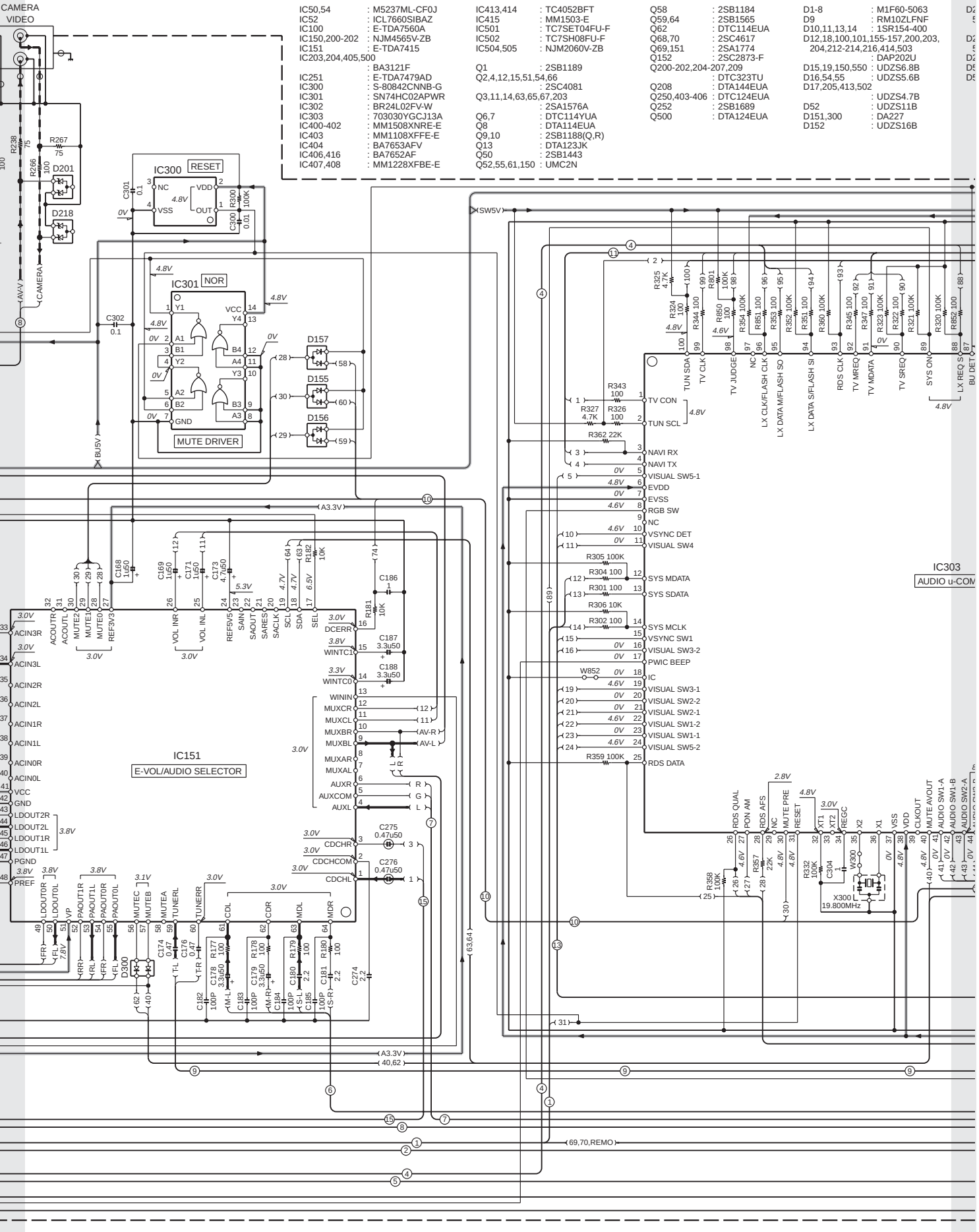


KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD



KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD

IC50,54	: M5237ML-CF0J	IC413,414	: TC4052BFT	Q58	: 2SB1184	D1-8	: M1F60-5063
IC52	: ICL7660SIBAZ	IC415	: MM1503-E	Q59,64	: 2SB1565	D9	: RM10ZLFNF
IC100	: E-TDA7560A	IC501	: TC7SET04FU-F	Q62	: DTC114EUA	D10,11,13,14	: 1SR154-400
IC150,200-202	: NJM4565V-ZB	IC502	: TC7SH08FU-F	Q68,70	: 2SC4617	D12,18,100,101,155-157,200,203, 204,212-214,216,414,503	
IC151	: E-TDA7415	IC504,505	: NJM2060V-ZB	Q69,151	: 2SA1774		
IC203,204,405,500	: BA3121F	Q1	: 2SB1189	Q152	: 2SC2873-F		: DAP202U
IC251	: E-TDA7479AD	Q2,4,12,15,51,54,66	: 2SC4081	Q200-202,204-207,209	: DTC323TU	D15,19,150,550	: UDZS6.8B
IC300	: S-80842CNNB-G	Q3,11,14,63,65,67,203	: 2SA1576A	Q208	: DTA144EUA	D16,54,55	: UDZS5.6B
IC301	: SN74HC02APWR	Q6,7	: DTC114YUA	Q250,403-406	: DTC124EUA	D17,205,413,502	: UDZS4.7B
IC302	: BR24L02FV-W	Q8	: DTA114EUA	Q252	: 2SB1689	D52	: UDZS11B
IC303	: 703030YGCJ13A	Q9,10	: 2SB1188(Q,R)	Q500	: DTA124EUA	D151,300	: DA227
IC400-402	: MM1508XNRE-E	Q13	: DTA123JK			D152	: UDZS16B
IC403	: MM1108XFFE-E	Q50	: 2SB1443				
IC404	: BA7653AFV	Q52,55,61,150	: UMC2N				
IC406,416	: BA7652AF						
IC407,408	: MM1228XFBE-E						

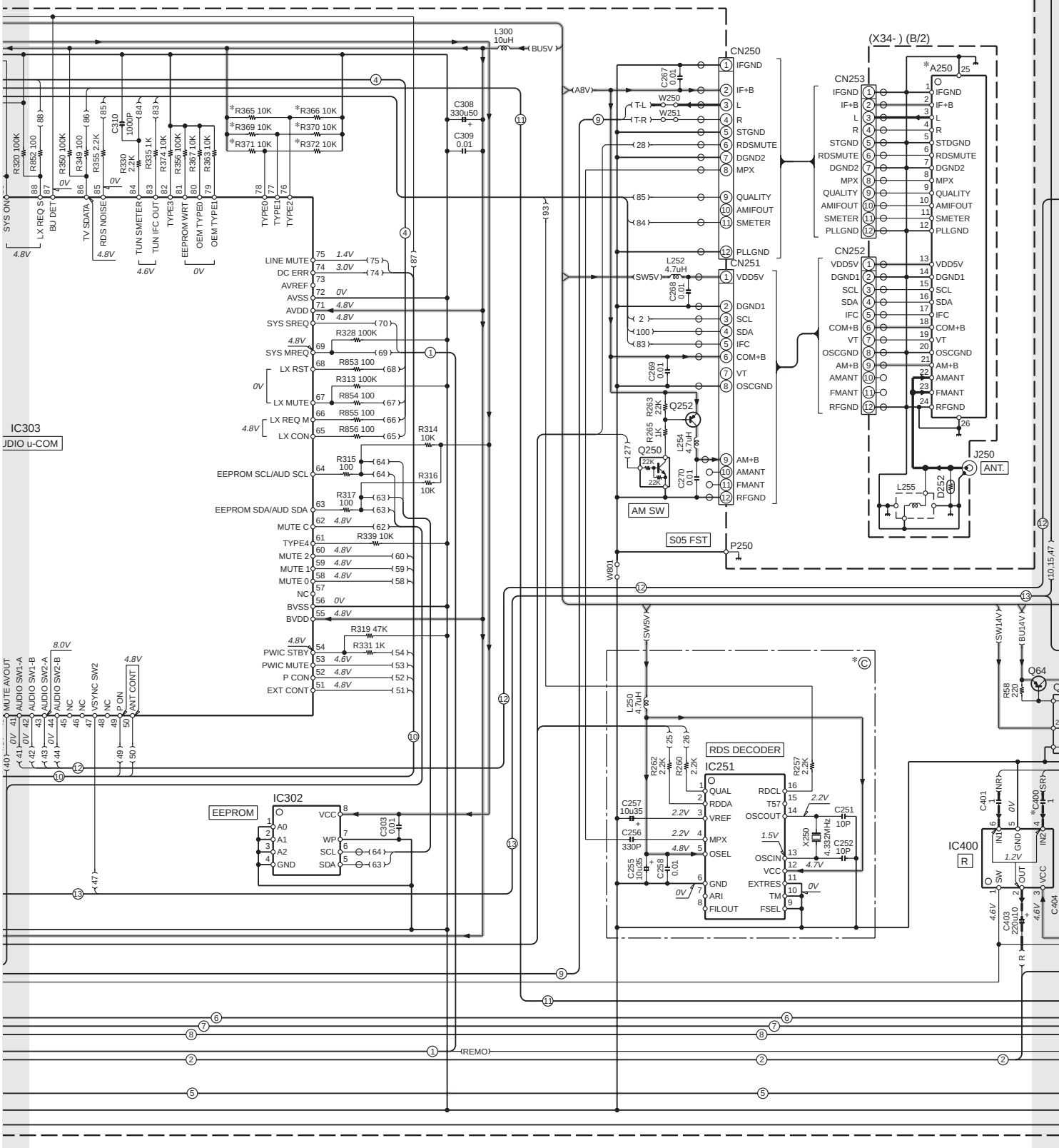


D201,206,210,504-507,
509-518,522-535,538,800 : STZ6.2N
D207-209,211,218,500,501,
519-521,539 : STZ6.8N
D252 : IMSA-6801-E
D508 : DAN202U
D536,537 : DA204U

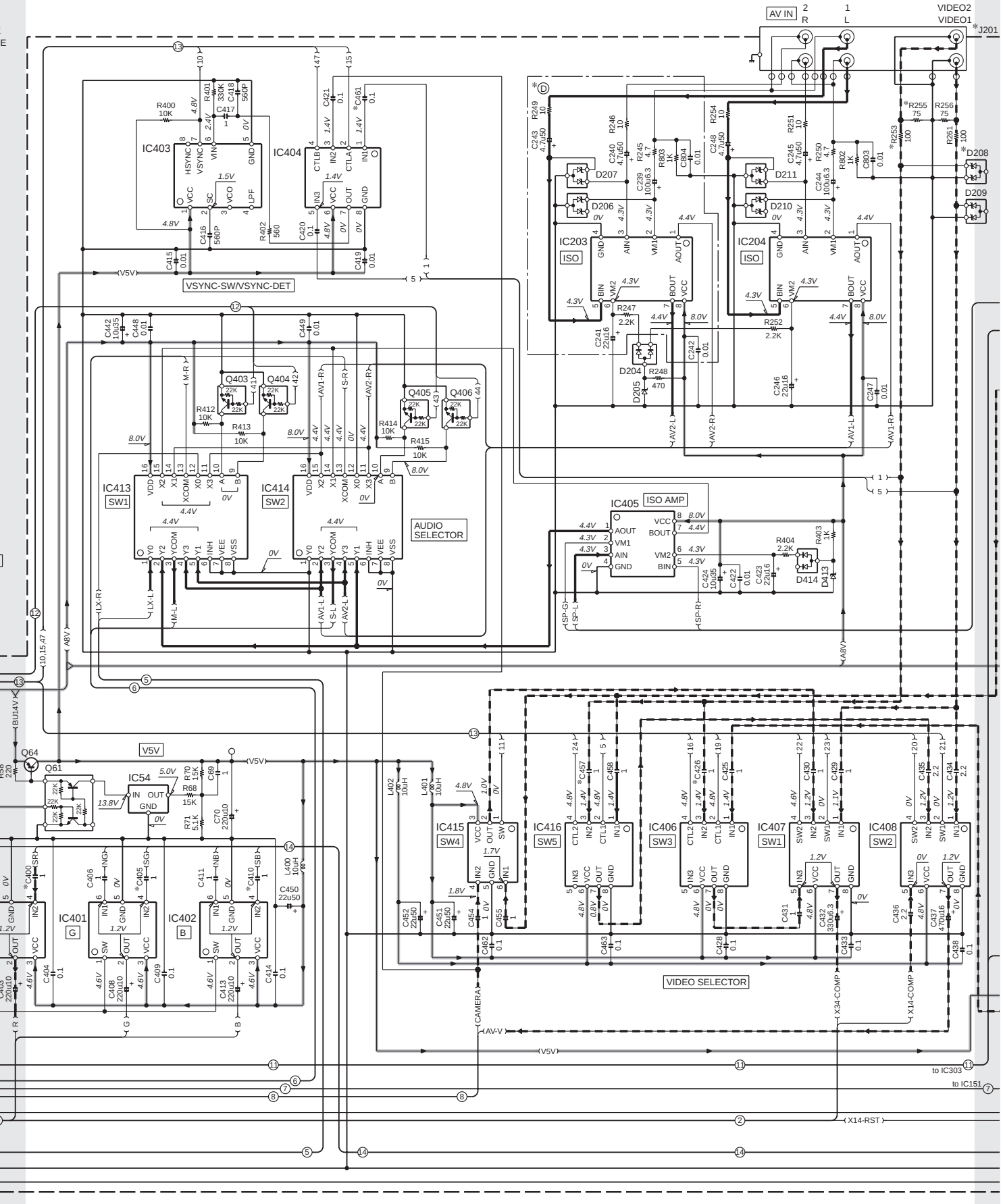
(X34-35xx-xx)

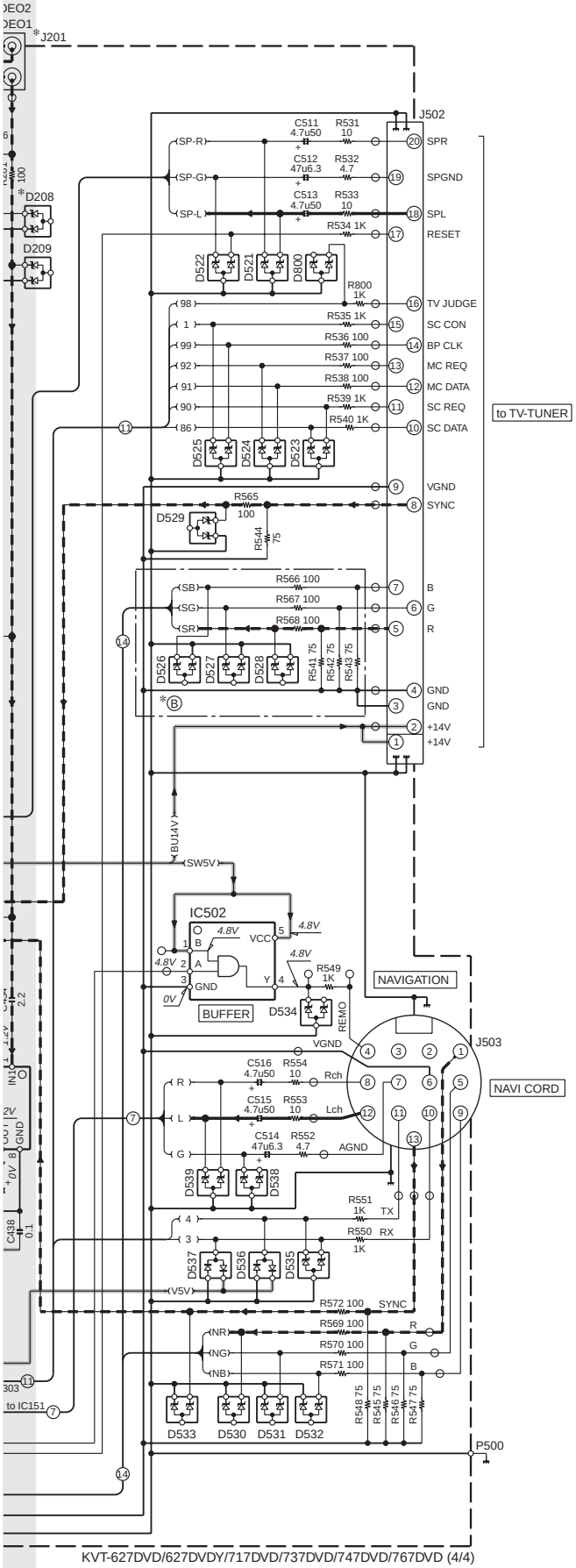
MODEL NAME	UNIT No.	Ⓐ	Ⓑ	Ⓒ	Ⓓ	A250	C400, 405,410	C426, 457,461	D208	R253, 255	R365	R366	R369	R370	R371	R372	W1	J201
KVT-627DVD KVT-627DVDY	X34-3532-71	—	YES	YES	—	X86-3932-70	YES	—		—	—	YES	YES	—	—	YES	YES	E63-0919-05
KVT-717DVD	X34-3530-10	YES	—	YES	YES	X86-3930-11	—	YES	YES	YES	—	YES	—	YES	YES	—	—	E63-0917-05
KVT-737DVD	X34-3530-21	YES	—	YES	—	X86-3932-70	—	—	—	—	—	YES	YES	—	YES	—	—	E63-0919-05
KVT-747DVD	X34-3530-71	YES	—	—	—	X86-3930-11	—	—	—	—	YES	—	—	YES	—	YES	—	E63-0919-05
KVT-767DVD	X34-3542-10	YES	—	—	—	X86-3930-11	—	—	—	—	YES	—	—	YES	—	YES	—	E63-0919-05
KVT-747DVD	X34-3533-21	YES	—	YES	—	X86-3930-11	—	—	—	—	YES	—	YES	—	YES	—	—	E63-0919-05

VIDEO LINE
SIGNAL LINE
GND LINE
+B LINE
−B LINE



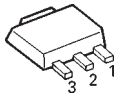
KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD



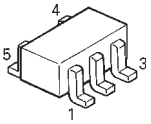


KVT-627DVD/627DVDY/717DVD/737DVD/747DVD/767DVD (4/4)

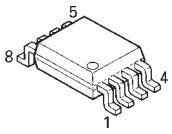
M5237ML-CF0J



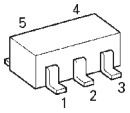
TC7SHU04FU-F



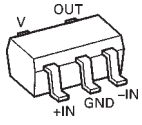
NJM4580V-ZB
TC7WH123FU-F
TC7WH126FU-F



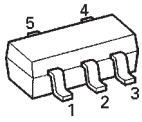
TC7S02FU-F



NJM2107F-ZB



TC7SET04FU-F



CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list).
⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

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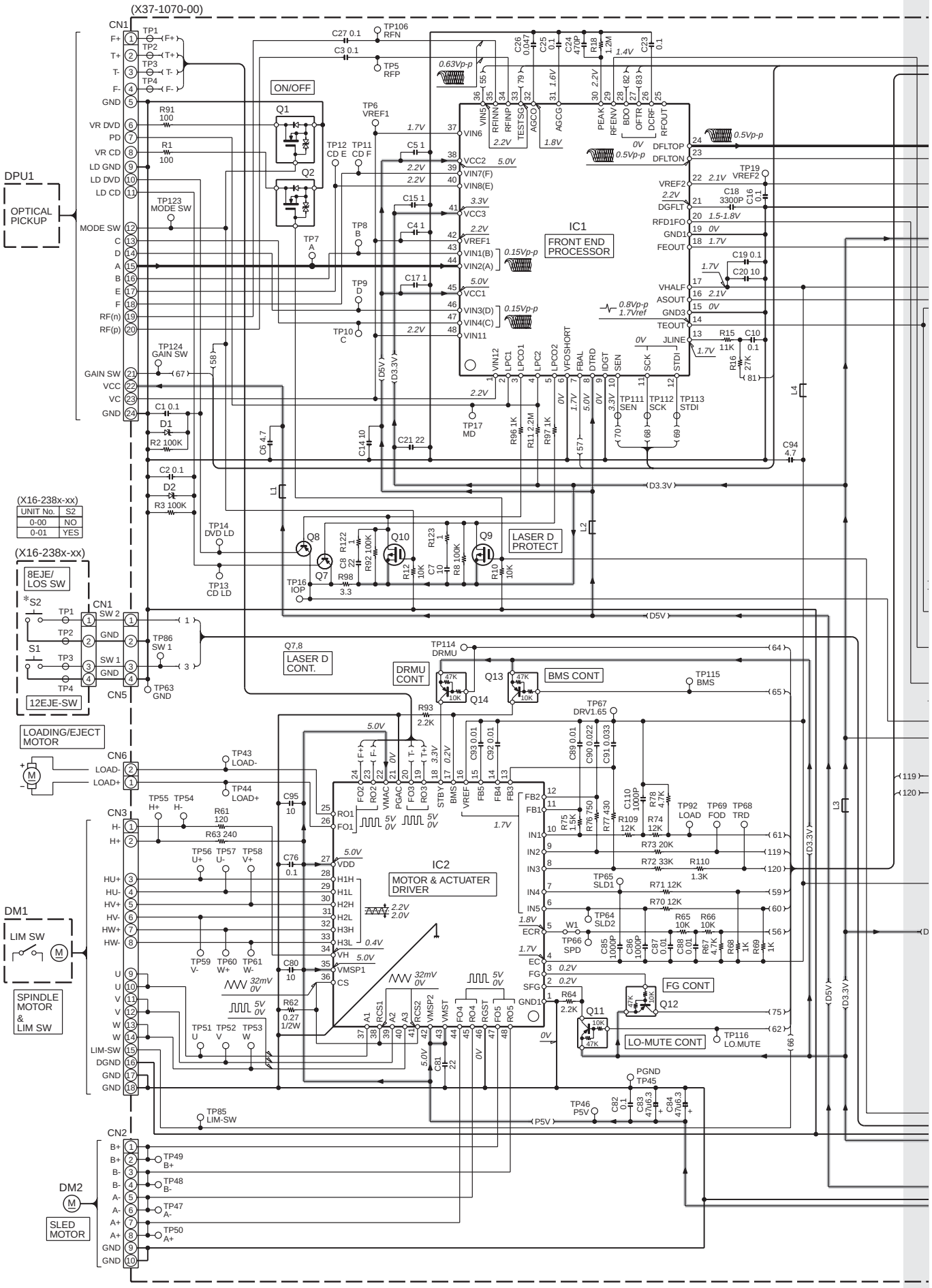
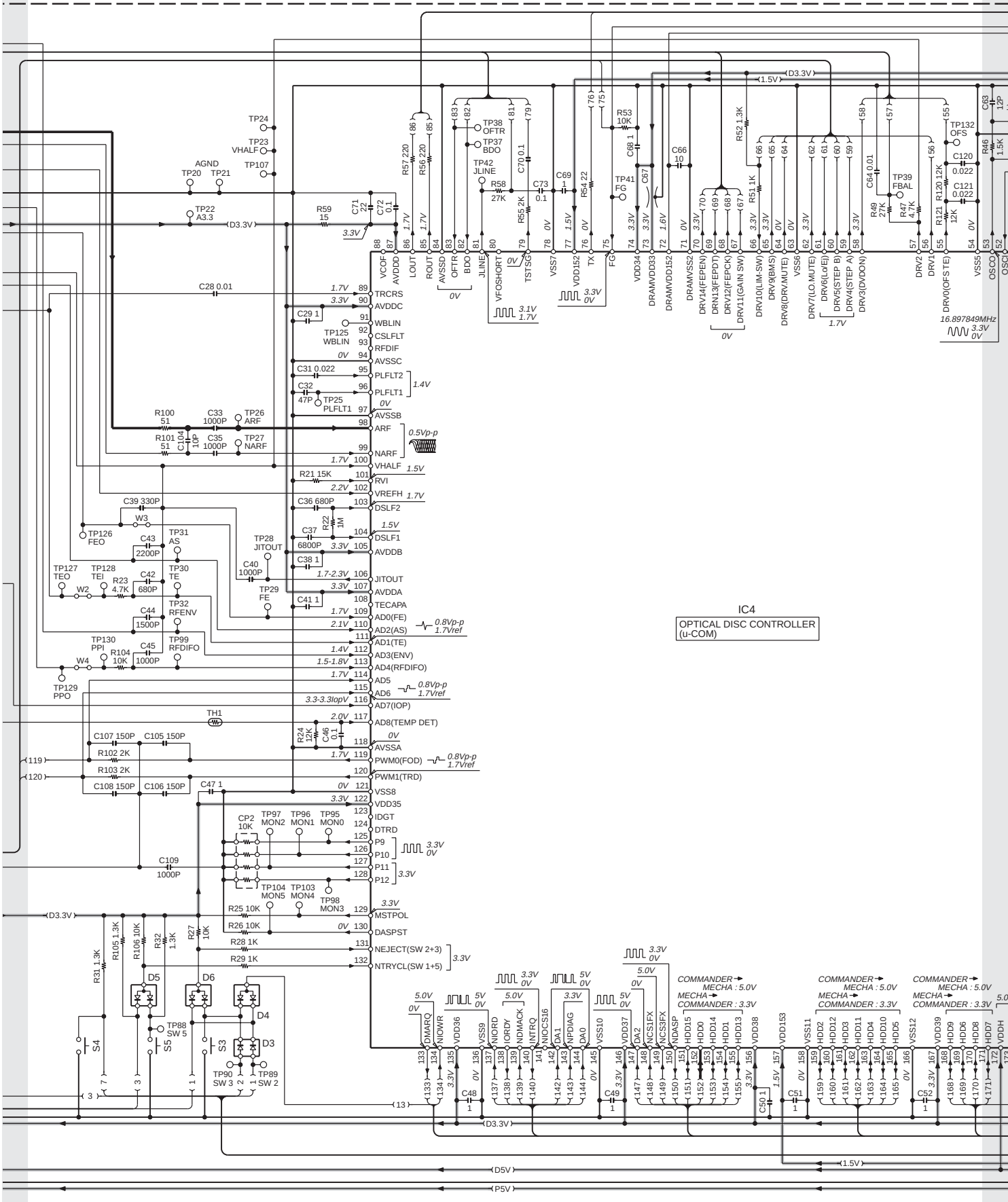
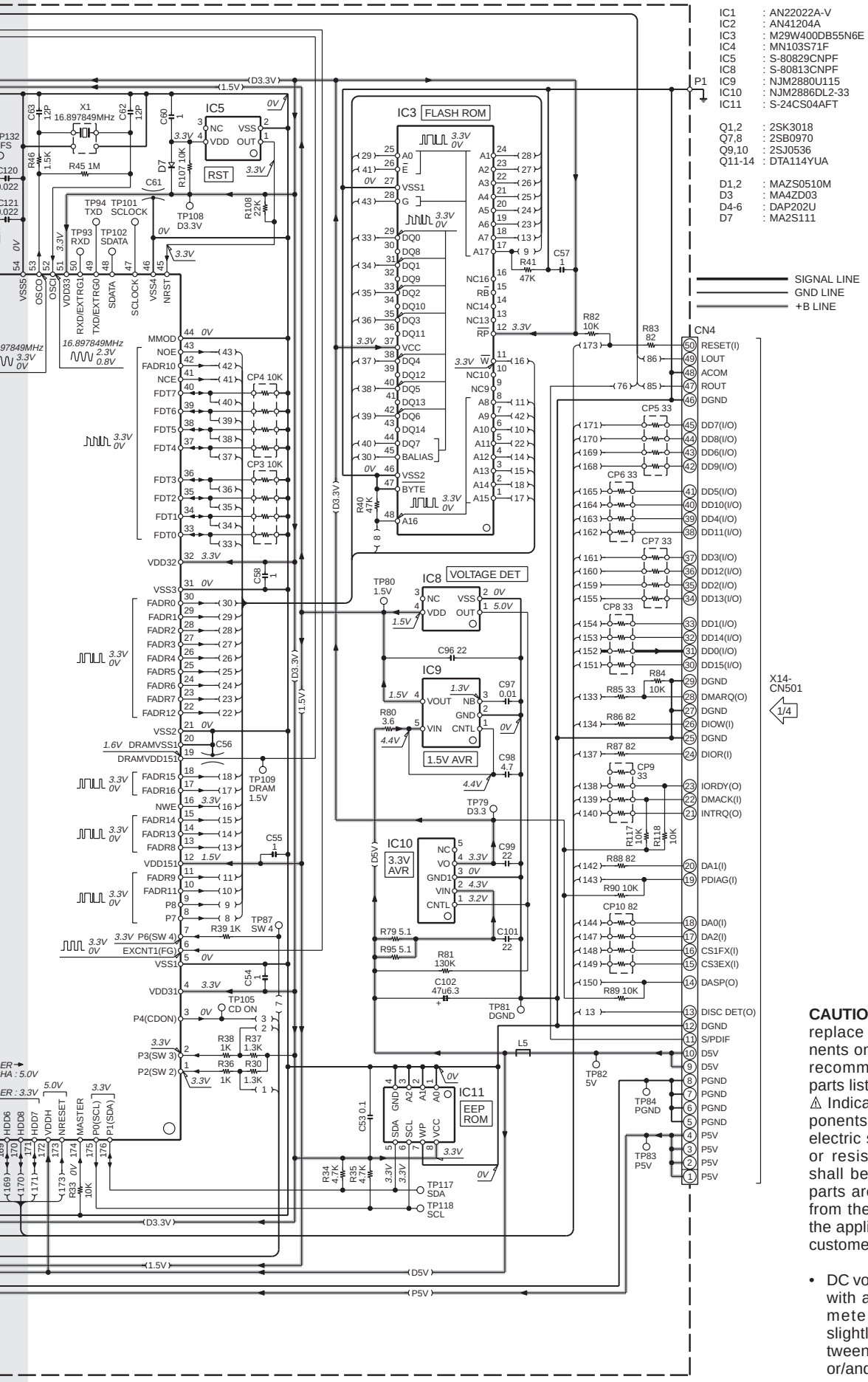
KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD




IC4
OPTICAL DISC CONTROLLER
(u-COM)
TP24
TP23 VHALF
TP107
AGND TP20 TP21
TP22 A3.3
D3.3V
R59 15
C71 22
C72 0.1
3.3V
R57 220
R56 220
TP38 OFTR
TP37 BDO
TP42 JLINE
R58 27K
C70 0.1
C73 0.1
C69 1
R54 22
TP41 FG
R53 10K
C68 1
C67
C66 10
R52 1.3K
R51 1.5K
C64 0.01
TP39 FBAL
R49 27K
R47 4.7K
TP132 OFS
C120 0.022
C121 0.022
R120 12K
R121 12K
R46 1.5K
C63 12P
1.5V
R55 2K
C28 0.01
C29 1
TP125 WBLIN
C31 0.022
C32 47P
TP25 PLFLT1
R100 51
C33 1000P
TP26 ARF
R101 51
C104 10P
C35 1000P
TP27 NARF
R21 15K
C39 330P
W3
TP126 FEO
C43 2200P
TP31 AS
TP127 TEO
TP128 TEI
W2
R23 4.7K
C42 680P
TP30 TE
C44 1500P
TP32 RFENV
TP130 PPI
R104 10K
C45 1000P
TP99 RFDIFO
W4
TP129 PPO
C36 680P
R22 1M
C37 6800P
C38 1
TP28 JITOUT
C40 1000P
TP29 FE
C41 1
TH1
C107 150P
C105 150P
R102 2K
R103 2K
C108 150P
C106 150P
C47 1
R24 10K
C46 0.1
C109 1000P
CP2 10K
TP97 MON2
TP96 MON1
TP95 MON0
TP104 MON5
TP103 MON4
TP98 MON3
R25 10K
R26 10K
R28 1K
R29 1K
R31 1.3K
R105 1.3K
R106 10K
R32 1.3K
R27 10K
D5
D6
D4
D3
S4
S5
S3
TP88 SW 5
TP90 SW 3
TP89 SW 2
C48 1
C49 1
C50 1
C51 1
C52 1
16.897849MHz
D5V
P5V
1.5V
(13)
(119)
(120)
VCOF
AVDDD
LOUT
ROUT
AVSSD
OFTR
BDO
JLINE
VFOSHORT
TSTSG
VSS7
VDD152
TX
FG
VDD34
DRAMVDD33
DRAMVDD152
DRAMVSS2
DRV14(FEPEN)
DRN13(FEPDT)
DRV12(FEPCK)
DRV11(GAIN SW)
DRV10(LIM-SW)
DRV9(BMS)
DRV8(DRV.MUTE)
VSS6
DRV7(LO.MUTE)
DRV6(LoFE)
DRV5(STEP B)
DRV4(STEP A)
DRV3(DVDON)
DRV2
DRV1
DRV0(OFS TE)
VSS5
OSCO
TRCRS
AVDDC
WBLIN
CSLFLT
RFDIF
AVSSC
PLFLT2
PLFLT1
AVSSB
ARF
NARF
VHALF
RVI
VREFH
DSLF2
DSLF1
AVDDB
JITOUT
AVDDA
TECAPA
AD0(FE)
AD2(AS)
AD1(TE)
AD3(ENV)
AD4(RFDIFO)
AD5
AD6
AD7(IOP)
AD8(TEMP DET)
AVSSA
PWM0(FOD)
PWM1(TRD)
VSS8
VDD35
IDGT
DTRD
P9
P10
P11
P12
MSTPOL
DASPST
NEJECT(SW 2+3)
NTRYCL(SW 1+5)
0.8Vp-p 1.7Vref
0.5Vp-p
COMMANDER → MECHA : 5.0V
MECHA → COMMANDER : 3.3V
DMARQ
NIOWR
VDD36
VSS9
NIORD
IORDY
NDMACK
INTRQ
NIOCS16
DA1
PDIAG
DA0
VSS10
VDD37
DA2
NCS1FX
NCS3FX
NDASP
HDD15
HDD0
HDD14
HDD1
HDD13
VDD38
VDD153
VSS11
HDD2
HDD12
HDD3
HDD11
HDD4
HDD10
HDD5
VSS12
VDD39
HDD9
HDD6
HDD8
HDD7
VDDH

KVT-627DVD/627DVDY/717DVD
KVT-737DVD/747DVD/767DVD



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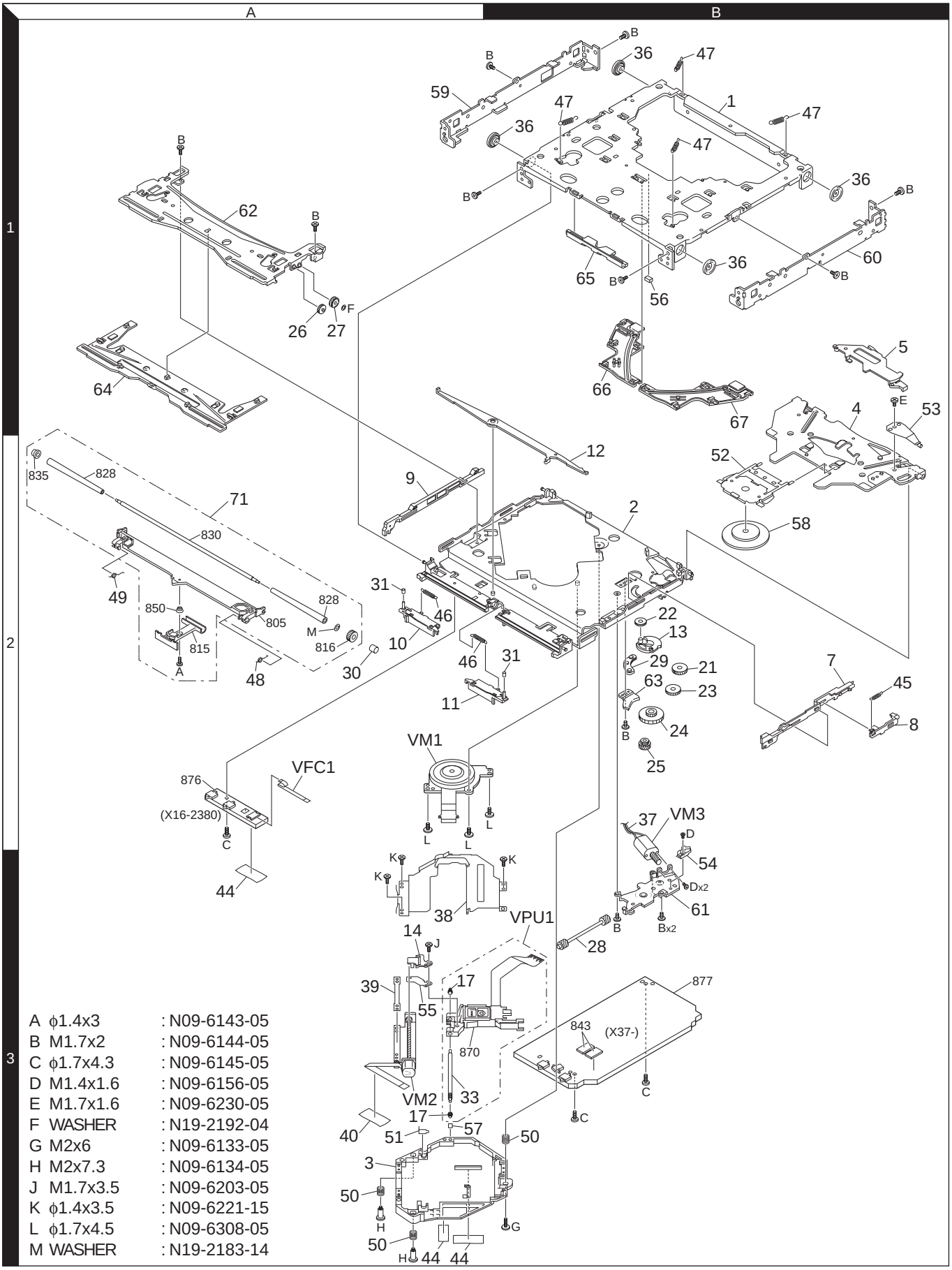
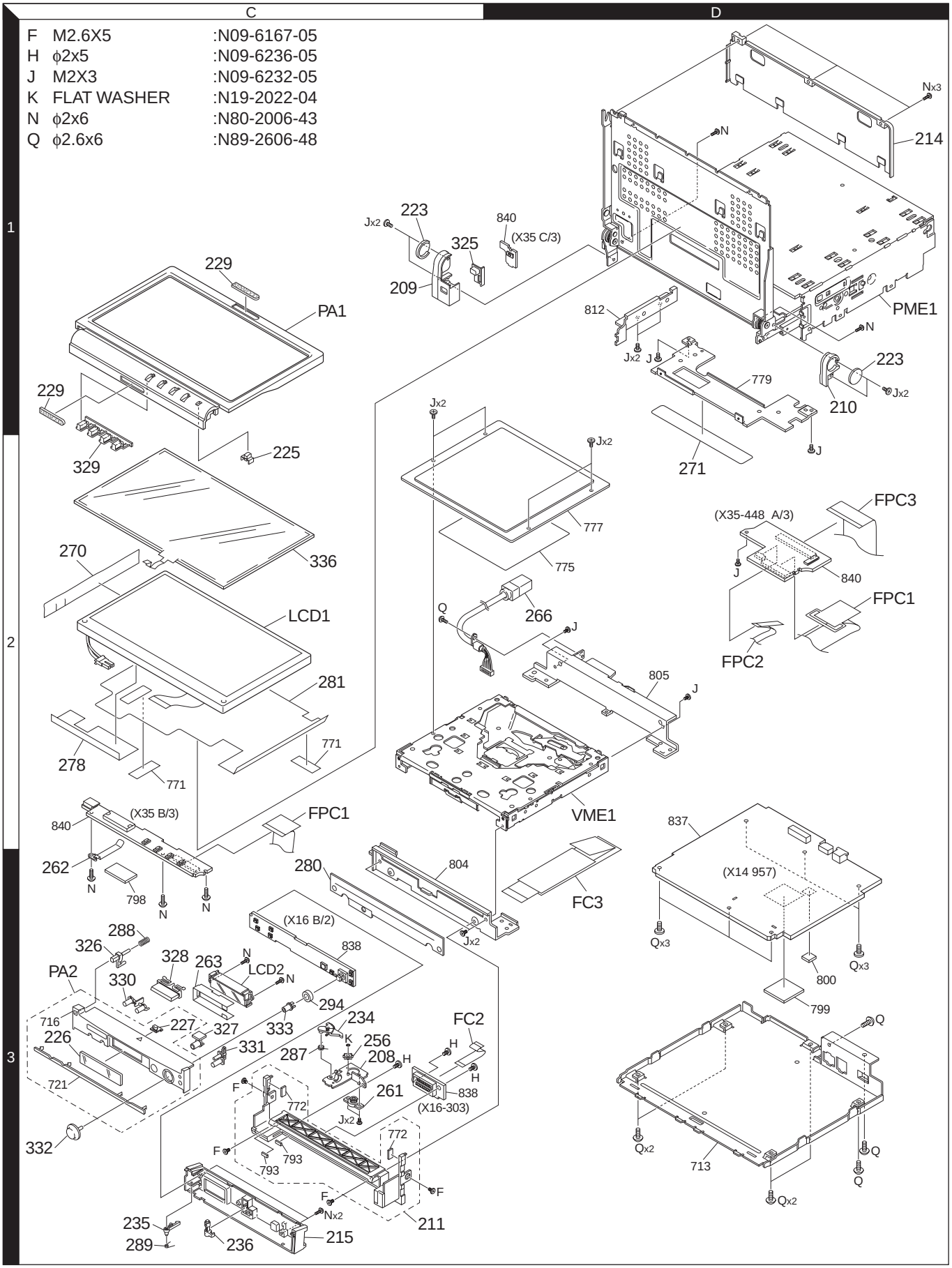
EXPLODED VIEW (DVD MECHANISM)



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (MAIN UNIT)

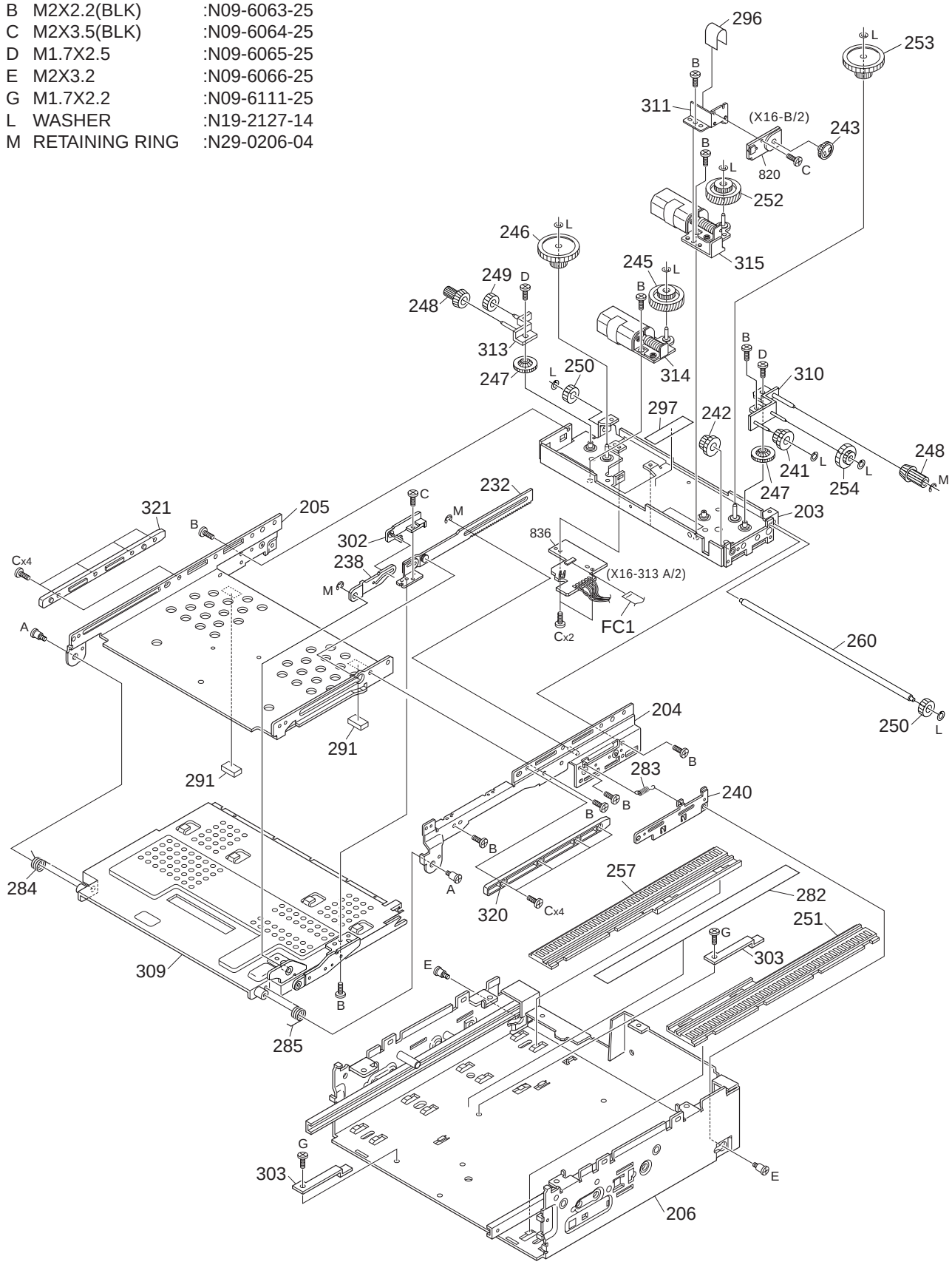
F	M2.6X5	:N09-6167-05
H	ϕ2x5	:N09-6236-05
J	M2X3	:N09-6232-05
K	FLAT WASHER	:N19-2022-04
N	ϕ2x6	:N80-2006-43
Q	ϕ2.6x6	:N89-2606-48



Parts with the exploded numbers larger than 700 are not supplied.

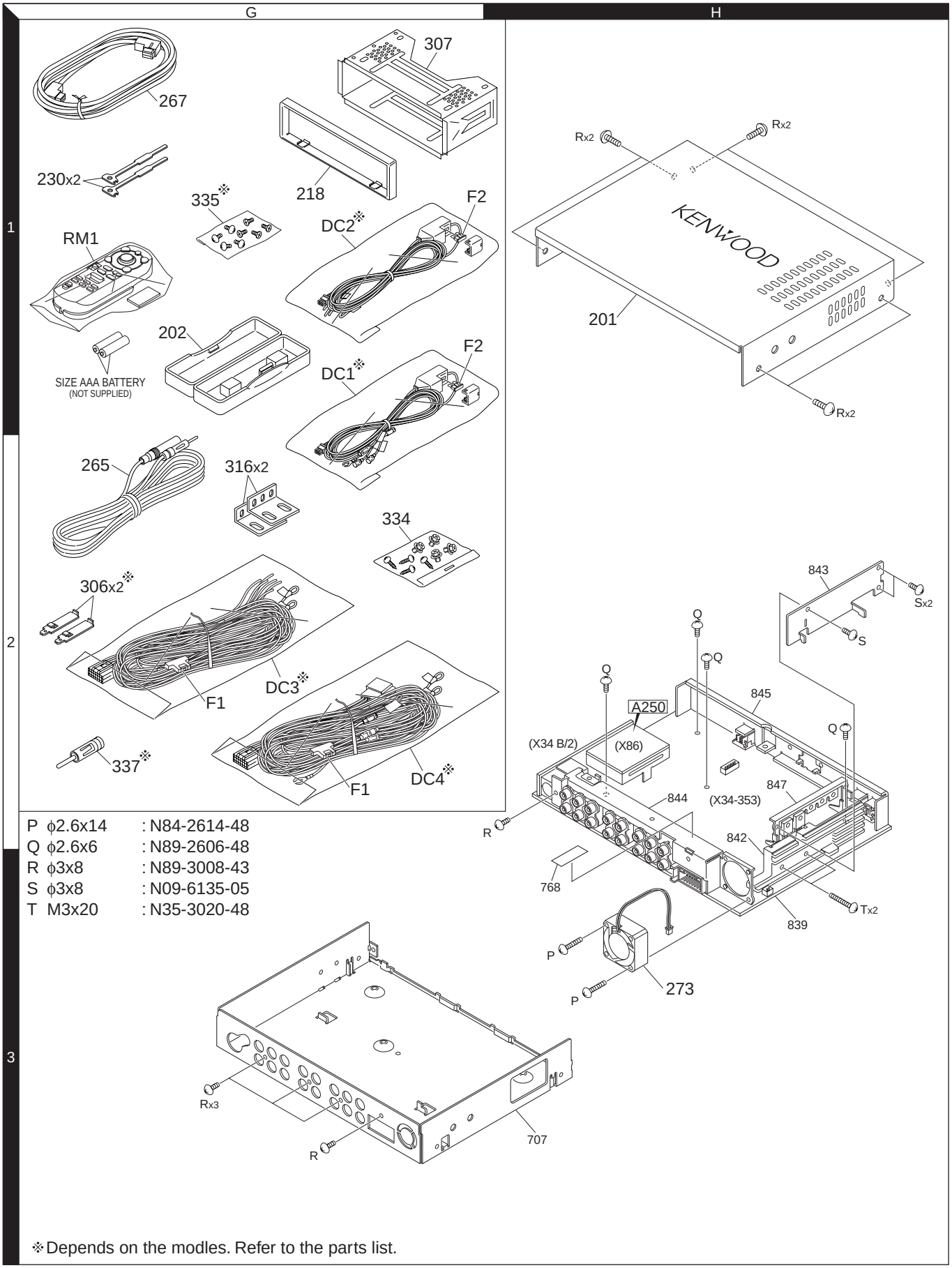
EXPLODED VIEW (DRIVE MECHANISM)

A	M2.6X3.7	:N09-6062-15
B	M2X2.2(BLK)	:N09-6063-25
C	M2X3.5(BLK)	:N09-6064-25
D	M1.7X2.5	:N09-6065-25
E	M2X3.2	:N09-6066-25
G	M1.7X2.2	:N09-6111-25
L	WASHER	:N19-2127-14
M	RETAINING RING	:N29-0206-04



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW (HIDEAWAY UNIT / ACCESSORIES)



Parts with the exploded numbers larger than 700 are not supplied.

PARTS LIST

✻ New parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnes dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

Ref. No.	Add	New	Parts No.	Description	Destination
KVT-627DVD/627DVDY/717DVD/737DVD/747DVD/767DVD					
201	1H	✻	A01-2865-01	METALLIC CABINET	K1
201	1H	✻	A01-2869-01	METALLIC CABINET	M2X2C1
201	1H	✻	A01-2869-01	METALLIC CABINET	R1E5E6
202	1G		A02-2723-03	PLASTIC CABINET ASSY	
203	2F		A10-5013-23	CHASSIS CALKING ASSY	
204	2F		A10-5015-33	CHASSIS CALKING ASSY	
205	2E		A10-5018-32	CHASSIS	
206	3F	✻	A10-5137-02	CHASSIS CALKING ASSY	
208	3C	✻	A11-1645-04	SUB CHASSIS CALKING ASSY	
209	1C	✻	A21-4499-02	DRESSING PANEL	
210	1D	✻	A21-4502-03	DRESSING PANEL	
211	3C	✻	A22-3068-03	SUB PANEL ASSY	
214	1D		A46-1776-02	REAR COVER	
215	3C	✻	A46-1820-01	REAR COVER	
PA1	1C	✻	A64-3594-01	PANEL	K1
PA1	1C	✻	A64-3595-01	PANEL	R1X2
PA1	1C	✻	A64-3596-01	PANEL	E5E6
PA1	1C	✻	A64-3597-01	PANEL	M2
PA1	1C	✻	A64-3599-01	PANEL	C1
PA2	3C	✻	A64-3608-02	PANEL ASSY	C1
PA2	3C	✻	A64-3608-02	PANEL ASSY	K1R1X2
PA2	3C	✻	A64-3717-02	PANEL ASSY	E5E6
PA2	3C	✻	A64-3718-02	PANEL ASSY	M2
PME1	1D		A10-5207-11	CHASSIS ASSY	
RM1	1G	✻	A70-2072-05	REMOTE CONTROLLER AS (RC-DV601)	
-			B46-0100-50	WARRANTY CARD	E5E6R1
-			B46-0100-50	WARRANTY CARD	K1M2X2
-			B46-0606-04	ID CARD	K1R1
-			B46-0612-14	ID CARD	E5E6M2
-			B46-0612-14	ID CARD	X2
-			B46-0639-00	WARRANTY CARD	C1
-			B46-0657-04	ID CARD	C1
-		✻	B54-4464-00	INSTALLATION MANUAL	K1R1
-		✻	B54-4465-00	INSTALLATION MANUAL	E5E6
-		✻	B54-4466-00	INSTALLATION MANUAL	M2X2C1
-			B58-1297-04	CAUTION CARD	
-		✻	B64-3099-00	INSTRUCTION MANUAL (ENGLISH)	K1R1
-		✻	B64-3100-00	INSTRUCTION MANUAL (FRENCH)	K1
-		✻	B64-3101-00	INSTRUCTION MANUAL (SPANISH)	K1R1
-		✻	B64-3102-00	INSTRUCTION MANUAL (PORTUGUESE)	R1
-		✻	B64-3103-00	INSTRUCTION MANUAL (ENGLISH)	E5E6
-		✻	B64-3104-00	INSTRUCTION MANUAL (FRENCH)	E5
-		✻	B64-3105-00	INSTRUCTION MANUAL (GERMAN)	E5
-		✻	B64-3106-00	INSTRUCTION MANUAL (DUTCH)	E5
-		✻	B64-3107-00	INSTRUCTION MANUAL (ITALIAN)	E5
-		✻	B64-3108-00	INSTRUCTION MANUAL (SPANISH)	E5
-		✻	B64-3109-00	INSTRUCTION MANUAL (PORTUGUESE)	E5
-		✻	B64-3111-00	INSTRUCTION MANUAL (ENGLISH)	M2X2C1
-		✻	B64-3112-00	INSTRUCTION MANUAL (T-CHINESE)	M2
-		✻	B64-3113-00	INSTRUCTION MANUAL (KOREAN)	M2
-		✻	B64-3114-00	INSTRUCTION MANUAL (S-CHINESE)	C1
218	1G	✻	B07-3082-02	ESCUTCHEON	
223	1C	✻	B09-0538-04	CAP	

Ref. No.	Add	New	Parts No.	Description	Destination
225	2C	✻	B10-4688-04	FRONT GLASS (DIMMER)	
226	3C	✻	B10-4691-03	FRONT GLASS	K1R1M2
226	3C	✻	B10-4691-03	FRONT GLASS	X2C1
226	3C	✻	B10-4692-03	FRONT GLASS	E5E6
227	3C	✻	B19-2330-04	LIGHTING BOARD (DISC)	
229	1C		B43-1524-04	BADGE	
LCD1	2C		B38-1122-15	LCD	
230	1G		D10-4674-04	LEVER	
232	2F		D10-4703-23	ARM ASSY	
234	3C		D10-4727-03	ARM (EJECT)	
235	3C		D10-4728-04	ARM (LOCK)	
236	3C		D10-4729-04	LEVER	
238	2E		D10-4733-23	ARM	
240	2F		D10-4761-24	LEVER ASSY	
241	2F		D13-2251-14	GEAR	
242	2F		D13-2252-14	GEAR	
243	1F		D13-2253-14	GEAR	
245	1F		D13-2256-14	GEAR	
246	1F		D13-2257-14	GEAR	
247	1F		D13-2258-24	GEAR	
248	1E		D13-2259-24	GEAR	
249	1F		D13-2260-14	GEAR	
250	1F		D13-2261-14	GEAR	
251	3F		D13-2262-23	RACK (GEAR)	
252	1F		D13-2263-14	GEAR	
253	1F		D13-2264-14	GEAR	
254	2F		D13-2265-14	GEAR	
256	3C		D13-2280-04	GEAR	
257	3F		D13-2317-13	RACK (GEAR)	
260	2F		D21-2416-23	SHAFT	
261	3C		D39-0239-05	DAMPER	
262	3C		E29-1924-04	LEAD PLATE (MONITOR)	
263	3C	✻	E29-2054-04	LEAD PLATE (MINI_LCD)	K1R1M2
263	3C	✻	E29-2054-04	LEAD PLATE (MINI_LCD)	X2C1
265	2G	✻	E30-6483-05	CORD WITH PLUG	
266	2D	✻	E30-6484-05	CORD WITH PLUG (21P_TAIL)	
267	1G	✻	E30-6485-05	CORD WITH PLUG (MAIN-BOX)	
DC1	1G	✻	E30-6474-15	DC CORD (8PIM)	E5E6
DC2	1G	✻	E30-6475-15	DC CORD (8PIM)	K1R1M2
DC2	1G	✻	E30-6475-15	DC CORD (8PIM)	X2C1
DC3	2G	✻	E30-6481-15	DC CORD (16PIN)	K1R1M2
DC3	2G	✻	E30-6481-15	DC CORD (16PIN)	X2C1
DC4	2G	✻	E30-6482-15	DC CORD (16PIN)	E5E6
FC1	2F		E39-0537-15	FLAT CABLE	
FC2	3C	✻	E39-0771-05	FLAT CABLE (22PIN)	
FC3	3D	✻	E39-0769-15	FLAT CABLE (50PIN)	
270	2C		F09-1802-04	SHEET	
271	2D		F09-1847-04	SHEET	
273	3H	✻	F09-1991-05	FAN	
278	2C		F12-0775-04	SHIELDING SHEET	
280	3C	✻	F19-1456-03	BLIND PLATE	
281	2C		F20-2235-14	INSULATING SHEET	
282	3F		F20-2240-14	INSULATING SHEET	
⚠ F1	2D		F52-0023-05	FUSE (MINI BLADE TYPE) 10A	
⚠ F2	1C		F52-0004-05	FUSE (MINI BLADE TYPE) 5A	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
X2 : KVT-747DVD (Australia) **R1** : KVT-747DVD (Latin America)
C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

KVT-627DVD/627DVDY/717DVD/737DVD/747DVD/767DVD

Ref. No.	Add	New	Parts No.	Description	Destination
283	2F		G01-3152-14	EXTENSION SPRING	
284	3E		G01-3153-14	TORSION COIL SPRING	
285	3E		G01-3161-14	TORSION COIL SPRING	
287	3C	✻	G01-3265-04	TORSION COIL SPRING	
288	3C	✻	G01-3266-04	COMPRESSION SPRING	
289	3C	✻	G01-3267-04	TORSION COIL SPRING	
291	2E		G11-3512-14	CUSHION	
294	3C	✻	G11-3663-04	CUSHION	
296	1F		G16-1452-14	SHEET	
297	2F		G16-1453-14	SHEET	
-		✻	H02-0837-23	INNER CARTON CASE (HU BOX)	
-			H11-1550-04	POLYSTYRENE FOAMED BOARD	
-			H12-2747-13	PACKING FIXTURE	
-		✻	H12-2799-04	PACKING FIXTURE (HU BOX)	
-		✻	H12-2800-04	PACKING FIXTURE (HU BOX)	
-			H25-0338-04	PROTECTION BAG (250X350X0.03)	
-			H25-1111-04	PROTECTION BAG (280X450X0.03) HU	
-			H25-1115-04	PROTECTION BAG	E5E6
-			H25-1132-04	PROTECTION BAG (0.3X280X450)	K1R1M2
-			H25-1132-04	PROTECTION BAG (0.3X280X450)	X2C1
-		✻	H54-3517-03	ITEM CARTON CASE	K1
-		✻	H54-3518-03	ITEM CARTON CASE	R1
-		✻	H54-3519-03	ITEM CARTON CASE	E5
-		✻	H54-3520-03	ITEM CARTON CASE	E6
-		✻	H54-3521-03	ITEM CARTON CASE	M2
-		✻	H54-3522-03	ITEM CARTON CASE	X2
-		✻	H54-3523-03	ITEM CARTON CASE	C1
302	2E		J19-5207-23	HOLDER	
303	3E		J19-5235-14	HOLDER	
306	1G		J21-9784-04	MOUNTING HARDWARE (TOYOTA)	K1R1M2
306	1G		J21-9784-04	MOUNTING HARDWARE (TOYOTA)	X2C1
307	1G		J21-9823-03	MOUNTING HARDWARE ASSY	
309	3E		J21-9916-32	MOUNTING HARDWARE ASSY	
310	1F		J21-9947-14	MOUNTING HARDWARE ASSY	
311	1F		J21-9949-14	MOUNTING HARDWARE	
313	1F		J21-9984-14	MOUNTING HARDWARE ASSY	
314	1F		J21-9986-23	MOUNTING HARDWARE ASSY	
315	1F		J21-9987-23	MOUNTING HARDWARE ASSY	
316	1G		J22-0054-14	MOUNTING HARDWARE	
320	3F		J90-1053-13	GUIDE	
321	2E		J90-1064-13	GUIDE	
FPC1	2D		J84-0150-05	FLEXIBLE PRINTED WIRING B (50P)	
FPC2	2D		J84-0151-05	FLEXIBLE PRINTED WIRING B (10P)	
FPC3	2D		J84-0158-15	FLEXIBLE PRINTED WIRING B (80P)	
325	1C	✻	K24-4344-04	PUSH KNOB (OPEN)	
326	3C	✻	K24-4346-04	PUSH KNOB (RELESE)	
327	3C	✻	K24-4348-03	PUSH KNOB (SORCE)	
328	3C	✻	K24-4349-03	PUSH KNOB (VOL)	
329	2C	✻	K25-1715-03	PUSH KNOB (MONITOR)	
330	3C	✻	K25-1718-03	PUSH KNOB (ATT/AUTO)	
331	3C	✻	K25-1720-03	PUSH KNOB (EJECT/RESET)	
332	3C	✻	K29-7170-04	KEY TOP (4WAY)	
333	3C	✻	K29-7171-03	KNOB BASE (4WAY)	
334	1G		N99-1753-05	SCREW SET (BOX)	
335	1G	✻	N99-1775-05	SCREW SET	K1R1M2
335	1G	✻	N99-1775-05	SCREW SET	X2C1
A	2E		N09-6062-15	STEPPED SCREW (M2.6X3.7)	
B	3E		N09-6063-25	MACHINE SCREW (M2X2.2)	
C	3F		N09-6064-25	MACHINE SCREW (M2X3.5)	
D	1F		N09-6065-25	MACHINE SCREW (M1.7X2.5)	
E	3F		N09-6066-25	STEPPED SCREW (M2X3.2)	
F	3C		N09-6167-05	MACHINE SCREW (M2.6X5)	
G	3F		N09-6111-25	MACHINE SCREW (M1.7X2.2)	
H	3C		N09-6236-05	SEMS (TAPTITE SCREW) (2.0X5)	
J	2D		N09-6232-05	MACHINE SCREW (M2.0X3.0)	
K	3C		N19-2022-04	FLAT WASHER (1.6X3.2X0.25)	
L	2F		N19-2127-14	FLAT WASHER (1.6X4X0.25 BLUE)	
M	2F		N29-0206-04	RETAINING RING (2)	
N	1D		N80-2006-43	PAN HEAD TAPTITE SCREW	
P	3H		N84-2614-48	PAN HEAD TAPTITE SCREW	
Q	3D		N89-2606-48	BINDING HEAD TAPTITE SCREW	
R	1H		N89-3008-43	BINDING HEAD TAPTITE SCREW	
336	2C		S79-0845-05	SWITCH ASSY	
337	2G		T90-0552-05	ANTENNA ADAPTOR	E5E6
LCD2	3C	✻	W02-5159-05	ELECTRIC CIRCUIT MODULE	K1R1M2
LCD2	3C	✻	W02-5159-05	ELECTRIC CIRCUIT MODULE	X2C1
VME1	2D	✻	X92-5130-00	DVD MECHANISM ASSY (DVS-7000V)	

VIDEO CONTROL UNIT (X14-957/958x-xx)

C31,32			CC73GCH1H471J	CHIP C	470PF	J	
C48,49			CC73GCH1H471J	CHIP C	470PF	J	
C100			CK73GB1H103K	CHIP C	0.010UF	K	
C101			C90-5670-05	ELECTRO	2200UF	16WV	
C102			CK73GB1H103K	CHIP C	0.010UF	K	
C103-105			CC73GCH1H151J	CHIP C	150PF	J	
C108			CK73GB1A105K	CHIP C	1.0UF	K	
C109-111			CK73GB1H104K	CHIP C	0.10UF	K	
C113			CK73GB1H104K	CHIP C	0.10UF	K	
C114			CK73EB1H474K	CHIP C	0.47UF	K	
C115-117			CK73GB1H104K	CHIP C	0.10UF	K	
C118			CE32BM1C221M	CHIP EL	220UF	16WV	
C119-121			CK73GB1H104K	CHIP C	0.10UF	K	
C122			CK73FB1C105K	CHIP C	1.0UF	K	
C123-126			CK73GB1H104K	CHIP C	0.10UF	K	
C127			CK73EB1C106K	CHIP C	10UF	K	
C128			CK73FB0J106K	CHIP C	10UF	K	
C130-133			C93-1367-05	CHIP C	10UF	25WV	
C134			CC73GCH1H101J	CHIP C	100PF	J	
C135			CC73GCH1H391J	CHIP C	390PF	J	
C136			C93-1367-05	CHIP C	10UF	25WV	
C137-139			CK73GB1H104K	CHIP C	0.10UF	K	
C140			CK73GB1H102K	CHIP C	1000PF	K	
C141			C93-1367-05	CHIP C	10UF	25WV	
C142			CK73GB1H104K	CHIP C	0.10UF	K	
C143,144			CE32AU1A560M	CHIP EL	56UF	10WV	
C145			CE32AU0J121M	CHIP EL	120UF	6.3WV	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
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C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

VIDEO CONTROL UNIT (X14-957/958x-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
C146			CE32AU1A560M	CHIP EL	56UF	10WV	
C147			CK73GB1H102K	CHIP C	1000PF	K	
C148,149			CK73GB1H104K	CHIP C	0.10UF	K	
C151			CK73GB1H104K	CHIP C	0.10UF	K	
C152			CE32AU1A560M	CHIP EL	56UF	10WV	
C153-155			CK73GB1H104K	CHIP C	0.10UF	K	
C156			CK73GB1A474K	CHIP C	0.47UF	K	
C158			CK73GB1H104K	CHIP C	0.10UF	K	
C159,160		✻	C92-1909-05	ELECTRO	22UF	12.5WV	
C161			C92-1685-05	ELECTRO	47UF	6.3WV	
C162			CK73GB1H102K	CHIP C	1000PF	K	
C163			CK73GB1A474K	CHIP C	0.47UF	K	
C164			CK73GB1H102K	CHIP C	1000PF	K	
C165			CK73GB1A474K	CHIP C	0.47UF	K	
C166			CK73GB1H102K	CHIP C	1000PF	K	
C167,168			CK73GB1H104K	CHIP C	0.10UF	K	
C169			CK73GB1H102K	CHIP C	1000PF	K	
C170			CK73GB1H104K	CHIP C	0.10UF	K	
C171			CK73GB1H102K	CHIP C	1000PF	K	
C172,173			CK73GB1H104K	CHIP C	0.10UF	K	
C174			CK73GB1H102K	CHIP C	1000PF	K	
C175			CK73GB1H104K	CHIP C	0.10UF	K	
C180,181			CK73FB1C105K	CHIP C	1.0UF	K	
C200,201			CK73GB1H103K	CHIP C	0.010UF	K	
C202			CC73GCH1H180J	CHIP C	18PF	J	
C203			CC73GCH1H220J	CHIP C	22PF	J	
C204			CK73GB1A105K	CHIP C	1.0UF	K	
C205			CK73FB0J106K	CHIP C	10UF	K	
C206-209			CK73GB1H104K	CHIP C	0.10UF	K	
C210			CK73GB1H103K	CHIP C	0.010UF	K	
C211,212			CK73GB1H104K	CHIP C	0.10UF	K	
C213-216			CK73GB1H103K	CHIP C	0.010UF	K	
C217			CK73GB1H104K	CHIP C	0.10UF	K	
C218,219			CK73GB1H103K	CHIP C	0.010UF	K	
C220-222			CK73GB1H104K	CHIP C	0.10UF	K	
C301			CK73FB0J106K	CHIP C	10UF	K	
C303			CK73GB1H104K	CHIP C	0.10UF	K	E5E6M2
C303			CK73GB1H104K	CHIP C	0.10UF	K	X2C1
C304			CK73FB0J106K	CHIP C	10UF	K	
C306			CC73GCH1H270J	CHIP C	27PF	J	E5E6M2
C306			CC73GCH1H270J	CHIP C	27PF	J	X2C1
C306			CC73GCH1H470J	CHIP C	47PF	J	K1R1
C307			CK73GB1H104K	CHIP C	0.10UF	K	
C309			CC73GCH1H180J	CHIP C	18PF	J	E5E6M2
C309			CC73GCH1H180J	CHIP C	18PF	J	X2C1
C310			CC73GCH1H220J	CHIP C	22PF	J	
C311-313			CK73GB1H104K	CHIP C	0.10UF	K	E5E6M2
C311-313			CK73GB1H104K	CHIP C	0.10UF	K	X2C1
C312,313			CK73GB1H104K	CHIP C	0.10UF	K	K1R1
C316			CK73GB1H104K	CHIP C	0.10UF	K	
C317			CC73GCH1H180J	CHIP C	18PF	J	
C318			CC73GCH1H270J	CHIP C	27PF	J	E5E6M2
C318			CC73GCH1H270J	CHIP C	27PF	J	X2C1
C319,320			CK73GB0J225K	CHIP C	2.2UF	K	
C321-323			CK73GB1A105K	CHIP C	1.0UF	K	

Ref. No.	Add	New	Parts No.	Description			Destination
C324			CK73GB1H223K	CHIP C	0.022UF	K	
C325			CK73GB0J475K	CHIP C	4.7UF	K	
C326			CK73GB1H473K	CHIP C	0.047UF	K	
C332,333			CK73GB1A105K	CHIP C	1.0UF	K	E5E6M2
C332,333			CK73GB1A105K	CHIP C	1.0UF	K	X2C1
C334			CK73GB1H104K	CHIP C	0.10UF	K	
C335,336			CK73GB1A105K	CHIP C	1.0UF	K	E5E6M2
C335,336			CK73GB1A105K	CHIP C	1.0UF	K	X2C1
C337			CK73GB1A474K	CHIP C	0.47UF	K	
C338			CK73FB0J106K	CHIP C	10UF	K	
C339			CK73GB1H472K	CHIP C	4700PF	K	
C340			CK73GB1A105K	CHIP C	1.0UF	K	
C341			CK73FB0J106K	CHIP C	10UF	K	
C342,343			CK73GB1A105K	CHIP C	1.0UF	K	
C344			CK73GB1H223K	CHIP C	0.022UF	K	
C345-350			CK73GB1A105K	CHIP C	1.0UF	K	
C351			CK73FB1A225K	CHIP C	2.2UF	K	
C352			CK73GB1A105K	CHIP C	1.0UF	K	
C353			CK73GB1H103K	CHIP C	0.010UF	K	
C354,355			CK73FB1A225K	CHIP C	2.2UF	K	
C361			C92-1685-05	ELECTRO	47UF	6.3WV	
C362			CK73GB1H104K	CHIP C	0.10UF	K	
C363			CK73FB0J106K	CHIP C	10UF	K	
C364			CC73GCH1H331J	CHIP C	330PF	J	
C365			CK73GB1A105K	CHIP C	1.0UF	K	
C366,367			CK73GB1H104K	CHIP C	0.10UF	K	
C368			CK73GB1A105K	CHIP C	1.0UF	K	
C369			CK73GB1H104K	CHIP C	0.10UF	K	
C370			CK73GB1H103K	CHIP C	0.010UF	K	
C371			CK73GB0J475K	CHIP C	4.7UF	K	
C372			CK73GB1H153K	CHIP C	0.015UF	K	
C373			CC73GCH1H151J	CHIP C	150PF	J	
C374			CC73GCH1E102J	CHIP C	1000PF	J	
C375			CC73GCH1H390J	CHIP C	39PF	J	
C376			CC73GCH1H150J	CHIP C	15PF	J	
C377		✻	C93-1394-05	CHIP C	5PF	50WV	
C390			CK73GB1A105K	CHIP C	1.0UF	K	
C402			CK73FB0J106K	CHIP C	10UF	K	
C403			CK73GB1H104K	CHIP C	0.10UF	K	
C404			CK73GB1A105K	CHIP C	1.0UF	K	
C405-409			CK73GB1H104K	CHIP C	0.10UF	K	
C410			CK73FB0J106K	CHIP C	10UF	K	
C411			CK73GB1H104K	CHIP C	0.10UF	K	
C412			CK73GB1A105K	CHIP C	1.0UF	K	
C413-416			CK73GB1H104K	CHIP C	0.10UF	K	
C419-423			CK73GB1H104K	CHIP C	0.10UF	K	
C424,425			CK73GB1H103K	CHIP C	0.010UF	K	
C426			CC73GCH1H100D	CHIP C	10PF	D	
C429,430			CC73GCH1H020C	CHIP C	2.0PF	C	
C501			CK73GB1H104K	CHIP C	0.10UF	K	
C502			C92-1452-05	ELECTRO	100UF	10WV	
C520			CK73FB0J106K	CHIP C	10UF	K	
C540			CK73GB1A105K	CHIP C	1.0UF	K	
C541,542			CC73GCH1H100D	CHIP C	10PF	D	
C560			CK73FB0J106K	CHIP C	10UF	K	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
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C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

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PARTS LIST

VIDEO CONTROL UNIT (X14-957/958x-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
C561-567			CK73GB1H104K	CHIP C	0.10UF	K	
C581			CK73GB1H104K	CHIP C	0.10UF	K	
C601-606			CK73GB1H104K	CHIP C	0.10UF	K	
C607			CK73GB1A105K	CHIP C	1.0UF	K	
C608-615			CK73GB1H104K	CHIP C	0.10UF	K	
C616			CK73FB0J106K	CHIP C	10UF	K	
C617			CK73GB1A105K	CHIP C	1.0UF	K	
C618-628			CK73GB1H104K	CHIP C	0.10UF	K	
C650			CK73GB1H104K	CHIP C	0.10UF	K	
C651,652			CK73GB1A105K	CHIP C	1.0UF	K	
C654-656			CK73GB1A105K	CHIP C	1.0UF	K	
C657,658			CK73GB1H104K	CHIP C	0.10UF	K	
C659			C92-1452-05	ELECTRO	100UF	10WV	
C660			CK73FB0J106K	CHIP C	10UF	K	
C661,662			CK73GB1H104K	CHIP C	0.10UF	K	
C663			CK73FB0J106K	CHIP C	10UF	K	
C664			C92-1685-05	ELECTRO	47UF	6.3WV	
C665-668			CK73GB1H104K	CHIP C	0.10UF	K	
C669			CK73FB0J106K	CHIP C	10UF	K	
C670			CK73GB1H104K	CHIP C	0.10UF	K	
C671,672			CK73GB1A105K	CHIP C	1.0UF	K	
C673,674			CK73GB1H104K	CHIP C	0.10UF	K	
C675			CK73GB1A105K	CHIP C	1.0UF	K	
C701			CK73GB1H332K	CHIP C	3300PF	K	
C702,703			CC73GCH1H681J	CHIP C	680PF	J	
C704			CK73GB1H104K	CHIP C	0.10UF	K	
C705			CK73EB1C106K	CHIP C	10UF	K	
C706			CK73EB1A475K	CHIP C	4.7UF	K	
C707			CC73GCH1H101J	CHIP C	100PF	J	
C708			CK73GB1H332K	CHIP C	3300PF	K	
C709,710			CC73GCH1H681J	CHIP C	680PF	J	
C711			CK73EB1A475K	CHIP C	4.7UF	K	
C712			CC73GCH1H101J	CHIP C	100PF	J	
C713			CK73EB1C106K	CHIP C	10UF	K	
C714,715			CK73GB1H104K	CHIP C	0.10UF	K	
C717			CK73FB0J106K	CHIP C	10UF	K	
C718			CK73GB1H104K	CHIP C	0.10UF	K	
C752			CK73GB1H104K	CHIP C	0.10UF	K	
C770,771			CK73GB1H104K	CHIP C	0.10UF	K	
C772			CK73FB0J106K	CHIP C	10UF	K	
C773-775			CK73GB1H104K	CHIP C	0.10UF	K	
C800			CC73GCH1H101J	CHIP C	100PF	J	
C804			CK73GB1H104K	CHIP C	0.10UF	K	
C850,851			CK73GB1H104K	CHIP C	0.10UF	K	
C900,901			CC73GCH1H101J	CHIP C	100PF	J	
C902			CK73GB1A105K	CHIP C	1.0UF	K	
C903,904			CC73GCH1H101J	CHIP C	100PF	J	
C906			CC73GCH1H101J	CHIP C	100PF	J	
C918			CK73FB0J106K	CHIP C	10UF	K	
C926,927			CK73GB1H104K	CHIP C	0.10UF	K	
CN501			E41-2197-05	FLAT CABLE CONNECTOR			
CN850		✻	E41-2526-05	FLAT CABLE CONNECTOR			
CN900		✻	E41-2523-05	FLAT CABLE CONNECTOR			
CN904		✻	E41-2529-05	PIN ASSY			
J100			E58-0899-05	RECTANGULAR RECEPTACLE			
J960			E56-0854-05	CYLINDRICAL RECEPTACLE			
CF100-105			L72-0780-05	CERAMIC FILTER			
L8		✻	L19-0733-15	TRANSFORMER FOR CONVERTER			
L100			L92-0373-05	CHIP FERRITE			
L101,102			L33-1914-05	CHOKE COIL			
L103		✻	L33-2277-05	CHOKE COIL			
L104,105		✻	L33-2248-05	CHOKE COIL			
L106,107			L41-1005-33	SMALL FIXED INDUCTOR (10U)			
L108			L79-0958-05	LINE FILTER			
L109-111			L92-0373-05	CHIP FERRITE			
L200			L92-0319-05	CHIP FERRITE			
L300			L41-4705-33	SMALL FIXED INDUCTOR			
L301			L41-1005-33	SMALL FIXED INDUCTOR (10U)			
L350			L41-1005-33	SMALL FIXED INDUCTOR (10U)			
L400			L41-1005-33	SMALL FIXED INDUCTOR (10U)			
L402			L41-1005-33	SMALL FIXED INDUCTOR (10U)			
L520			L92-0373-05	CHIP FERRITE			
L540			L41-1005-33	SMALL FIXED INDUCTOR (10U)			
L560			L92-0373-05	CHIP FERRITE			
L601			L92-0373-05	CHIP FERRITE			
L603			L92-0373-05	CHIP FERRITE			
L650			L41-1005-33	SMALL FIXED INDUCTOR (10U)			
L651			L92-0373-05	CHIP FERRITE			
L701,702			L41-1005-33	SMALL FIXED INDUCTOR (10U)			
L802			L92-0373-05	CHIP FERRITE			
L900-902			L92-0373-05	CHIP FERRITE			
X200		✻	L78-1210-05	RESONATOR (4.95MHZ)			
X201		✻	L77-2917-05	CRYSTAL RESONATOR (32.768KHZ)			
X300			L77-2806-05	CRYSTAL RESONATOR (3.579545MHZ)			
X301			L77-2807-05	CRYSTAL RESONATOR (4.433619MHZ)			E5E6M2
X301			L77-2807-05	CRYSTAL RESONATOR (4.433619MHZ)			X2C1
X360			L78-0549-05	RESONATOR (15.734KHZ)			
X540			L77-2866-05	CRYSTAL RESONATOR (27MHZ)			
CP400-407			RK74HB1J330J	CHIP-COM	33	J 1/16W	
CP501-505			RK74HB1J471J	CHIP-COM	470	J 1/16W	
CP506-510			RK74HB1J103J	CHIP-COM	10K	J 1/16W	
CP601-604			RK74HB1J472J	CHIP-COM	4.7K	J 1/16W	
CP605			RK74HB1J470J	CHIP-COM	47	J 1/16W	
CP606-612			RK74HB1J101J	CHIP-COM	100	J 1/16W	
CP613,614			RK74HB1J330J	CHIP-COM	33	J 1/16W	
CP615-618			RK74HB1J472J	CHIP-COM	4.7K	J 1/16W	
CP619-625			RK74HB1J220J	CHIP-COM	22	J 1/16W	
R11-14			RK73GB2A220J	CHIP R	22	J 1/10W	
R15,16			RK73GB2A101J	CHIP R	100	J 1/10W	
R39,40			RK73GB2A101J	CHIP R	100	J 1/10W	
R44			RK73GB2A103J	CHIP R	10K	J 1/10W	
R51,52			RK73GB2A101J	CHIP R	100	J 1/10W	
R96			RK73GB2A222J	CHIP R	2.2K	J 1/10W	
R97			RK73GB2A473J	CHIP R	47K	J 1/10W	
R98			RN73GH1J243D	CHIP R	24K	D 1/16W	
R99			RN73GH1J472D	CHIP R	4.7K	D 1/16W	
R100			RN73GH1J104D	CHIP R	100K	D 1/16W	
R101			RN73GH1J513D	CHIP R	51K	D 1/16W	

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PARTS LIST

VIDEO CONTROL UNIT (X14-957/958x-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
R102			RN73GH1J393D	CHIP R	39K	D	1/16W	
R103			RK73GB2A122J	CHIP R	1.2K	J	1/10W	
R104			RN73GH1J393D	CHIP R	39K	D	1/16W	
R105			RN73GH1J333D	CHIP R	33K	D	1/16W	
R106			RN73GH1J393D	CHIP R	39K	D	1/16W	
R107			RK73GB2A103J	CHIP R	10K	J	1/10W	
R109			RK73GB2A103J	CHIP R	10K	J	1/10W	
R110		✻	RK73GH2A334D	CHIP R	330K	D	1/10W	
R111			RK73GB2A562J	CHIP R	5.6K	J	1/10W	
R112		✻	RK73GH2A334D	CHIP R	330K	D	1/10W	
R113			RK73GB2A224J	CHIP R	220K	J	1/10W	
R114		✻	RN73GH1J113D	CHIP R	11K	D	1/16W	
R115			R92-5088-05	CHIP R	3.3K	J	3/4W	
R116			RK73GB2A912J	CHIP R	9.1K	J	1/10W	
R117			RK73GB2A153J	CHIP R	15K	J	1/10W	
R118			RK73FB2B123J	CHIP R	12K	J	1/8W	
R119			RN73GH1J104D	CHIP R	100K	D	1/16W	
R120			RN73GH1J683D	CHIP R	68K	D	1/16W	
R121			RK73GB2A473J	CHIP R	47K	J	1/10W	
R122-124			RK73GB2A104J	CHIP R	100K	J	1/10W	
R125-127			RK73GB2A224J	CHIP R	220K	J	1/10W	
R128			RK73EB2E102J	CHIP R	1.0K	J	1/4W	
R129			RK73GB2A473J	CHIP R	47K	J	1/10W	
R137			RK73GB2A473J	CHIP R	47K	J	1/10W	
R140			RK73GB2A101J	CHIP R	100	J	1/10W	
R143			RK73GB2A100J	CHIP R	10	J	1/10W	
R146,147			RK73GB2A100J	CHIP R	10	J	1/10W	
R148			RN73GH1J133D	CHIP R	13K	D	1/16W	
R149			RN73GH1J103D	CHIP R	10K	D	1/16W	
R150			RN73GH1J132D	CHIP R	1.3K	D	1/16W	
R151			RN73GH1J473D	CHIP R	47K	D	1/16W	
R152			RN73GH1J153D	CHIP R	15K	D	1/16W	
R153		✻	RN73GH1J163D	CHIP R	16K	D	1/16W	
R154			RN73GH1J302D	CHIP R	3.0K	D	1/16W	
R155			RN73GH1J132D	CHIP R	1.3K	D	1/16W	
R156			RN73GH1J683D	CHIP R	68K	D	1/16W	
R157			RN73GH1J393D	CHIP R	39K	D	1/16W	
R158			RN73GH1J4021D	CHIP R	4.02K	D	1/16W	
R159			RN73GH1J103D	CHIP R	10K	D	1/16W	
R160			RN73GH1J512D	CHIP R	5.1K	D	1/16W	
R161			R92-3475-05	CHIP R	0.27	F	1/2W	
R162			RK73GB2A104J	CHIP R	100K	J	1/10W	
R163			RN73GH1J243D	CHIP R	24K	D	1/16W	
R164			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R165			RK73GB2A473J	CHIP R	47K	J	1/10W	
R167			RK73GB2A224J	CHIP R	220K	J	1/10W	
R168			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R169			RK73GB2A223J	CHIP R	22K	J	1/10W	
R170			RK73GB2A103J	CHIP R	10K	J	1/10W	
R171			RK73GB2A563J	CHIP R	56K	J	1/10W	
R172			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R174		✻	RN73GH1J114D	CHIP R	110K	D	1/16W	
R176		✻	RN73GH1J114D	CHIP R	110K	D	1/16W	
R178		✻	RN73GH1J114D	CHIP R	110K	D	1/16W	
R179			RN73GH1J133D	CHIP R	13K	D	1/16W	

Ref. No.	Add	New	Parts No.	Description				Destination
R180			RK73GB2A392J	CHIP R	3.9K	J	1/10W	
R181			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R182			RK73GB2A153J	CHIP R	15K	J	1/10W	
R183			RK73GB2A104J	CHIP R	100K	J	1/10W	
R184			RK73GB2A303J	CHIP R	30K	J	1/10W	
R185			RK73EB2E472J	CHIP R	4.7K	J	1/4W	
R186			RK73GB2A104J	CHIP R	100K	J	1/10W	
R187			RK73EB2E223J	CHIP R	22K	J	1/4W	
R188			RK73GB2A104J	CHIP R	100K	J	1/10W	
R189			RN73GH1J243D	CHIP R	24K	D	1/16W	
R190			RN73GH1J133D	CHIP R	13K	D	1/16W	
R191			RK73GB2A104J	CHIP R	100K	J	1/10W	
R192,193			RK73GB2A100J	CHIP R	10	J	1/10W	
R195			RK73EB2E331J	CHIP R	330	J	1/4W	
R196			RN73GH1J243D	CHIP R	24K	D	1/16W	
R197			RN73GH1J133D	CHIP R	13K	D	1/16W	
R198			RK73GB2A104J	CHIP R	100K	J	1/10W	
R199			RK73EB2E331J	CHIP R	330	J	1/4W	
R201			RK73GB2A103J	CHIP R	10K	J	1/10W	K1E5E6
R201			RK73GB2A103J	CHIP R	10K	J	1/10W	M2
R201,202			RK73GB2A103J	CHIP R	10K	J	1/10W	R1X2C1
R203			RK73GB2A103J	CHIP R	10K	J	1/10W	K1
R203,204			RK73GB2A103J	CHIP R	10K	J	1/10W	E5E6M2
R204			RK73GB2A103J	CHIP R	10K	J	1/10W	R1
R205			RK73GB2A103J	CHIP R	10K	J	1/10W	X2C1
R205,206			RK73GB2A103J	CHIP R	10K	J	1/10W	K1
R206			RK73GB2A103J	CHIP R	10K	J	1/10W	R1M2
R207			RK73GB2A103J	CHIP R	10K	J	1/10W	C1
R207			RK73GB2A103J	CHIP R	10K	J	1/10W	E5E6X2
R211,212			RK73GB2A103J	CHIP R	10K	J	1/10W	
R217,218			RK73GB2A473J	CHIP R	47K	J	1/10W	
R219			RK73GB2A333J	CHIP R	33K	J	1/10W	
R220-224			RK73GB2A473J	CHIP R	47K	J	1/10W	
R225			RK73GB2A104J	CHIP R	100K	J	1/10W	
R226			RK73GB2A103J	CHIP R	10K	J	1/10W	
R227			RK73GB2A104J	CHIP R	100K	J	1/10W	
R229			RK73GB2A471J	CHIP R	470	J	1/10W	
R230,231			RK73GB2A101J	CHIP R	100	J	1/10W	
R232			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R233			RK73GB2A104J	CHIP R	100K	J	1/10W	
R234,235			RK73GB2A101J	CHIP R	100	J	1/10W	
R236			RK73GB2A514J	CHIP R	510K	J	1/10W	
R237-241			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R242			RK73GB2A473J	CHIP R	47K	J	1/10W	
R244			RK73GB2A473J	CHIP R	47K	J	1/10W	
R245			RK73GB2A123J	CHIP R	12K	J	1/10W	
R246			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R247			RK73GB2A473J	CHIP R	47K	J	1/10W	
R248,249			RK73GB2A123J	CHIP R	12K	J	1/10W	
R250-253			RK73GB2A104J	CHIP R	100K	J	1/10W	
R254			RK73GB2A123J	CHIP R	12K	J	1/10W	
R255			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R256		✻	RN73GH1J163D	CHIP R	16K	D	1/16W	
R257			RN73GH1J102D	CHIP R	1.0K	D	1/16W	
R258			RN73GH1J333D	CHIP R	33K	D	1/16W	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
X2 : KVT-747DVD (Australia) **R1** : KVT-747DVD (Latin America)
C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

VIDEO CONTROL UNIT (X14-957/958x-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
R259			RK73GB2A153J	CHIP R	15K	J	1/10W	
R260		✻	RN73GH1J163D	CHIP R	16K	D	1/16W	
R261			RN73GH1J102D	CHIP R	1.0K	D	1/16W	
R262			RN73GH1J333D	CHIP R	33K	D	1/16W	
R263			RK73GB2A100J	CHIP R	10	J	1/10W	
R264			RK73GB2A104J	CHIP R	100K	J	1/10W	
R265			RK73GB2A100J	CHIP R	10	J	1/10W	
R266			RK73GB2A104J	CHIP R	100K	J	1/10W	
R267			RK73GB2A912J	CHIP R	9.1K	J	1/10W	
R268			RK73GB2A112J	CHIP R	1.1K	J	1/10W	
R269			RK73GB2A105J	CHIP R	1.0M	J	1/10W	
R270			RN73GH1J473D	CHIP R	47K	D	1/16W	
R271			RN73GH1J392D	CHIP R	3.9K	D	1/16W	
R272			RK73GB2A151J	CHIP R	150	J	1/10W	
R273,274			RK73GB2A105J	CHIP R	1.0M	J	1/10W	
R275			RK73GB2A104J	CHIP R	100K	J	1/10W	
R276			RK73GB2A203J	CHIP R	20K	J	1/10W	
R279,280			RK73GB2A101J	CHIP R	100	J	1/10W	
R281			RK73GB2A104J	CHIP R	100K	J	1/10W	
R300			RK73GB2A471J	CHIP R	470	J	1/10W	
R301			RK73GB2A103J	CHIP R	10K	J	1/10W	E5E6M2
R301			RK73GB2A103J	CHIP R	10K	J	1/10W	X2C1
R302			RK73GB2A152J	CHIP R	1.5K	J	1/10W	
R303			RK73GB2A752J	CHIP R	7.5K	J	1/10W	
R304,305			RK73GB2A101J	CHIP R	100	J	1/10W	
R306			RK73GB2A103J	CHIP R	10K	J	1/10W	
R307			RK73GB2A682J	CHIP R	6.8K	J	1/10W	
R308			RK73GB2A105J	CHIP R	1.0M	J	1/10W	
R309-312			RK73GB2A101J	CHIP R	100	J	1/10W	
R313			RK73GB2A473J	CHIP R	47K	J	1/10W	
R314			RK73GB2A101J	CHIP R	100	J	1/10W	
R316			RK73GB2A101J	CHIP R	100	J	1/10W	
R318			RK73GB2A101J	CHIP R	100	J	1/10W	
R320			RK73GB2A101J	CHIP R	100	J	1/10W	
R321			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R360,361			RK73GB2A303J	CHIP R	30K	J	1/10W	
R362			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R363			RK73GB2A202J	CHIP R	2.0K	J	1/10W	
R364			RK73GB2A361J	CHIP R	360	J	1/10W	
R365			RK73GB2A914J	CHIP R	910K	J	1/10W	
R366,367			RK73GB2A471J	CHIP R	470	J	1/10W	
R368			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R369			RK73GB2A470J	CHIP R	47	J	1/10W	
R370			RK73GB2A302J	CHIP R	3.0K	J	1/10W	
R371			RN73GH1J182D	CHIP R	1.8K	D	1/16W	
R372			RN73GH1J471D	CHIP R	470	D	1/16W	
R374			RK73GB2A471J	CHIP R	470	J	1/10W	
R375			RK73GB2A101J	CHIP R	100	J	1/10W	
R377			RK73GB2A103J	CHIP R	10K	J	1/10W	
R380-383			RK73GB2A101J	CHIP R	100	J	1/10W	
R385			RK73GB2A471J	CHIP R	470	J	1/10W	
R386			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R387			RN73GH1J473D	CHIP R	47K	D	1/16W	
R388			RK73GB2A471J	CHIP R	470	J	1/10W	
R389			RK73GB2A272J	CHIP R	2.7K	J	1/10W	

Ref. No.	Add	New	Parts No.	Description				Destination
R391		✻	RN73GH1J203D	CHIP R	20K	D	1/16W	
R392			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R393			RK73GB2A104J	CHIP R	100K	J	1/10W	
R394			RN73GH1J303D	CHIP R	30K	D	1/16W	
R400			RK73GB2A103J	CHIP R	10K	J	1/10W	
R401			RK73GB2A680J	CHIP R	68	J	1/10W	
R402			RK73GB2A152J	CHIP R	1.5K	J	1/10W	
R403			RK73GB2A101J	CHIP R	100	J	1/10W	
R404			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R405			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R406			RK73GB2A101J	CHIP R	100	J	1/10W	
R407			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R408			RK73GB2A101J	CHIP R	100	J	1/10W	
R409			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R410,411			RK73GB2A104J	CHIP R	100K	J	1/10W	
R412			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R413			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R415-417			RK73GB2A201J	CHIP R	200	J	1/10W	
R419			RK73GB2A101J	CHIP R	100	J	1/10W	
R420,421			RK73GB2A153J	CHIP R	15K	J	1/10W	
R422,423			RK73GB2A561J	CHIP R	560	J	1/10W	
R424			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R427			RK73GB2A470J	CHIP R	47	J	1/10W	
R500			RK73GB2A302J	CHIP R	3.0K	J	1/10W	
R501			RK73GB2A330J	CHIP R	33	J	1/10W	
R502			RK73GB2A103J	CHIP R	10K	J	1/10W	
R503			RK73GB2A820J	CHIP R	82	J	1/10W	
R504,505			RK73GB2A220J	CHIP R	22	J	1/10W	
R506,507			RK73GB2A820J	CHIP R	82	J	1/10W	
R508			RK73GB2A471J	CHIP R	470	J	1/10W	
R509			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R520			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R522-528			RK73GB2A103J	CHIP R	10K	J	1/10W	
R529			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R540,541			RK73GB2A330J	CHIP R	33	J	1/10W	
R542			RK73GB2A105J	CHIP R	1.0M	J	1/10W	
R544			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R560			RK73GB2A101J	CHIP R	100	J	1/10W	
R601-603			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R604			RK73GB2A470J	CHIP R	47	J	1/10W	
R605-610			RK73GB2A101J	CHIP R	100	J	1/10W	
R611			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R612,613			RK73GB2A101J	CHIP R	100	J	1/10W	
R614			RK73GB2A330J	CHIP R	33	J	1/10W	
R615-617			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R618,619			RK73GB2A220J	CHIP R	22	J	1/10W	
R620-622			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R625-627			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R629			RK73GB2A101J	CHIP R	100	J	1/10W	
R651-654			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R655			RK73EB2E750J	CHIP R	75	J	1/4W	
R656			RK73GB2A511J	CHIP R	510	J	1/10W	
R657			RK73GB2A152J	CHIP R	1.5K	J	1/10W	
R658,659			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R660			RK73GB2A103J	CHIP R	10K	J	1/10W	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
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C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

VIDEO CONTROL UNIT (X14-957/958x-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
R661,662			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R663,664			RK73GB2A101J	CHIP R	100	J	1/10W	
R665-668			RN73GH1J750D	CHIP R	75	D	1/16W	
R669			RN73GH1J151D	CHIP R	150	D	1/16W	
R670			RK73GB2A103J	CHIP R	10K	J	1/10W	
R671,672			RK73GB2A104J	CHIP R	100K	J	1/10W	
R673			RN73GH1J151D	CHIP R	150	D	1/16W	
R675			RK73GB2A103J	CHIP R	10K	J	1/10W	
R676			RK73GB2A101J	CHIP R	100	J	1/10W	
R678			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R682			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R683-687			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R701,702			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R703			RK73GB2A302J	CHIP R	3.0K	J	1/10W	
R704,705			RK73GB2A201J	CHIP R	200	J	1/10W	
R706			RK73GB2A302J	CHIP R	3.0K	J	1/10W	
R707			RK73GB2A471J	CHIP R	470	J	1/10W	
R708			RK73GB2A182J	CHIP R	1.8K	J	1/10W	
R709			RK73GB2A100J	CHIP R	10	J	1/10W	
R710,711			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R712			RK73GB2A302J	CHIP R	3.0K	J	1/10W	
R713,714			RK73GB2A201J	CHIP R	200	J	1/10W	
R715			RK73GB2A302J	CHIP R	3.0K	J	1/10W	
R716			RK73GB2A471J	CHIP R	470	J	1/10W	
R717			RK73GB2A182J	CHIP R	1.8K	J	1/10W	
R718			RK73GB2A100J	CHIP R	10	J	1/10W	
R719			RK73GB2A682J	CHIP R	6.8K	J	1/10W	
R720			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R721			RK73GB2A392J	CHIP R	3.9K	J	1/10W	
R722			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R723,724			RK73GB2A223J	CHIP R	22K	J	1/10W	
R725			RK73GB2A103J	CHIP R	10K	J	1/10W	
R751			RK73GB2A151J	CHIP R	150	J	1/10W	
R770			RK73GB2A103J	CHIP R	10K	J	1/10W	
R771			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R772-774			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R776			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R777			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R802,803			RK73EB2E102J	CHIP R	1.0K	J	1/4W	
R805-810			RK73EB2E101J	CHIP R	100	J	1/4W	
R811-814			RK73GB2A750J	CHIP R	75	J	1/10W	
R850-866			RK73GB2A101J	CHIP R	100	J	1/10W	
R867			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R900-902			RK73EB2E102J	CHIP R	1.0K	J	1/4W	
R904,905			RK73EB2E100J	CHIP R	10	J	1/4W	
R906-911			RK73EB2E101J	CHIP R	100	J	1/4W	
R913			RK73EB2E101J	CHIP R	100	J	1/4W	
R914			RK73GB2A102J	CHIP R	1.0K	J	1/10W	K1R1M2
R914			RK73GB2A102J	CHIP R	1.0K	J	1/10W	X2C1
R921			RK73GB2A103J	CHIP R	10K	J	1/10W	K1R1M2
R921			RK73GB2A103J	CHIP R	10K	J	1/10W	X2C1
R924			RK73GB2A103J	CHIP R	10K	J	1/10W	
R925			RN73GH1J123D	CHIP R	12K	D	1/16W	
R926			RN73GH1J152D	CHIP R	1.5K	D	1/16W	
R927			RN73GH1J243D	CHIP R	24K	D	1/16W	

Ref. No.	Add	New	Parts No.	Description				Destination
R928			RK73GB2A472J	CHIP R	4.7K	J	1/10W	K1R1M2
R928			RK73GB2A472J	CHIP R	4.7K	J	1/10W	X2C1
R961			RK73EB2E151J	CHIP R	150	J	1/4W	
R962			RK73EB2E150J	CHIP R	15	J	1/4W	
VR361		✻	R32-0327-05	SEMI FIXED VARIABLE RESISTOR				
W100,101			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W103			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W111-117			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W121,122			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W183			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W201-203			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W205			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W301			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W304			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W311-313			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W360			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W365			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W401			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W403			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W405			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W408-415			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W501			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W522			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W581			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W601			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W604			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W606-609			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W650			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W652			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W654			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W658			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W660			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W662,663			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W701			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W750			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W770			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W772-776			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W850			R92-1252-05	CHIP R	0 OHM	J	1/16W	K1R1M2
W850			R92-1252-05	CHIP R	0 OHM	J	1/16W	X2
W850-854			R92-1252-05	CHIP R	0 OHM	J	1/16W	E5E6C1
W852			R92-1252-05	CHIP R	0 OHM	J	1/16W	K1R1M2
W852			R92-1252-05	CHIP R	0 OHM	J	1/16W	X2
W854			R92-1252-05	CHIP R	0 OHM	J	1/16W	K1R1M2
W854			R92-1252-05	CHIP R	0 OHM	J	1/16W	X2
W856			RK73FB2B000J	CHIP R	0.0	J	1/8W	
W859-864			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W867			R92-1252-05	CHIP R	0 OHM	J	1/16W	E5E6C1
W869,870			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W872			R92-1252-05	CHIP R	0 OHM	J	1/16W	K1R1M2
W872			R92-1252-05	CHIP R	0 OHM	J	1/16W	X2
W872-874			R92-1252-05	CHIP R	0 OHM	J	1/16W	E5E6C1
W874			R92-1252-05	CHIP R	0 OHM	J	1/16W	K1R1M2
W874			R92-1252-05	CHIP R	0 OHM	J	1/16W	X2
W881,882			RK73EB2E000J	CHIP R	0.0	J	1/4W	
W884-886			RK73EB2E000J	CHIP R	0.0	J	1/4W	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
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⚠ Indicates safety critical components.

PARTS LIST

VIDEO CONTROL UNIT (X14-957/958x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
W887,888			R92-1252-05	CHIP R 0 OHM J 1/16W	
W889			RK73EB2E000J	CHIP R 0.0 J 1/4W	
W893			R92-1252-05	CHIP R 0 OHM J 1/16W	
W900			R92-1252-05	CHIP R 0 OHM J 1/16W	
W918			R92-1252-05	CHIP R 0 OHM J 1/16W	E5E6
D100			1SR154-400	DIODE	
D104			DAN202U	DIODE	
D105			UDZS6.8B	ZENER DIODE	
D106			DAN202U	DIODE	
D107			UDZS6.2B	ZENER DIODE	
D108-111			EC31QS04AG	DIODE	
D113			EC31QS04AG	DIODE	
D114,115			SB05-05CP-E	DIODE	
D116		✻	MA2S784-F	DIODE	
D180,181			DAN202U	DIODE	
D300			DAN202U	DIODE	
D301-303			STZ6.2N	ZENER DIODE	
D501,502			DA204U	DIODE	
D650			STZ6.2N	ZENER DIODE	
D701			DAP202U	DIODE	
D702			DA204U	DIODE	
D704,705			STZ6.2N	ZENER DIODE	
D800			AVRM1608120M6A	VARISTOR	
D801-807			AVRM1608270MAB	VARISTOR	
D850-856			AVRM1608120M6A	VARISTOR	
D859			AVRM1608120M6A	VARISTOR	
D862			DA204U	DIODE	
D900,901			DA204U	DIODE	
D902			STZ6.2N	ZENER DIODE	
D903			DA204U	DIODE	
D905			STZ6.2N	ZENER DIODE	
D906			DA204U	DIODE	
D907			UDZS6.2B	ZENER DIODE	
D908			DA204U	DIODE	
D909			AVRM1608120M6A	VARISTOR	
D910			STZ6.2N	ZENER DIODE	
D911			DA204U	DIODE	
D912,913			STZ6.2N	ZENER DIODE	
D914			UDZS6.2B	ZENER DIODE	
D916-922			AVRM1608180M6A	VARISTOR	
D923			AVRM1608270MAB	VARISTOR	
D925,926			AVRM1608270MAB	VARISTOR	
D927-929			AVRM1608180M6A	VARISTOR	
D931,932			AVRM1608180M6A	VARISTOR	
D960			DA204U	DIODE	
D961			AVRM1608270MAA	VARISTOR	
IC100-102		✻	FA7707E-H1	ANALOGUE IC	
IC103			TA58L05F	ANALOGUE IC	
IC104		✻	PQ1X331M2ZPH	ANALOGUE IC	
IC108			SI-3012KM	ANALOGUE IC	
IC200		✻	BR24L08FV-W	ROM IC	
IC202,203			LB1836M-TLM-E	ANALOGUE IC	
IC204		✻	703265YGJ501A	MICROCONTROLLER IC	
IC205			TC7SH08FU-F	MOS-IC	
IC206			S-80830CNNB-G	MOS-IC	

Ref. No.	Add	New	Parts No.	Description	Destination
IC207			TC74VHCT08AFT	MOS-IC	
IC301			TDA4665T-F	ANALOGUE IC	E5E6M2
IC301			TDA4665T-F	ANALOGUE IC	X2C1
IC303			AN2546FH-AV	ANALOGUE IC	
IC304			MM1389XFBE-E	ANALOGUE IC	
IC306			TC7SH04FU-F	MOS-IC	
IC361		✻	TC7W00FU-F	MOS-IC	
IC362			NJW1303V-ZB	ANALOGUE IC	
IC363,364		✻	TC7W34FU-F	MOS-IC	
IC365			TC7WH123FU-F	MOS-IC	
IC366			TC7SH04FU-F	MOS-IC	
IC400			LC74735NW9817E	MOS-IC	
IC401		✻	MB29LV8T9T0U1	ROM IC	
IC402			TC74LCX74FT	MOS-IC	
IC403		✻	TC7S02FU-F	MOS-IC	
IC404			TC7SH04FU-F	MOS-IC	
IC405		✻	TC7W08FU-F	MOS-IC	
IC406		✻	TC7W32FU-F	MOS-IC	
IC500		✻	PQ070XH02ZPH	ANALOGUE IC	
IC520		✻	M29LV160T72U5	ROM IC	
IC540,541			TC7SHU04FU-F	MOS-IC	
IC560		✻	K4S281632FUP75	DRAM IC	
IC601			ES6218SF	MOS-IC	
IC650			MM1567AJBE-E	ANALOGUE IC	
IC651		✻	UPC2905ATAZ	ANALOGUE IC	
IC652		✻	ADV7170KSUZ	MOS-IC	
IC654		✻	MM1508XNRE-E	ANALOGUE IC	
IC701			NJM4580V-ZB	ANALOGUE IC	
IC702			TA78L05F-F	ANALOGUE IC	
IC703			AK4382AVT	ANALOGUE IC	
IC750		✻	TC7SET04FU-F	MOS-IC	
IC770		✻	M43212VNI8R01	MOS-IC	
IC850			TC7SH00FU-F	MOS-IC	
Q100			DTC144EUA	DIGITAL TRANSISTOR	
Q101			2SC4081	TRANSISTOR	
Q102			DTC144EUA	DIGITAL TRANSISTOR	
Q103			2SA1576A	TRANSISTOR	
Q104			2SC4081	TRANSISTOR	
Q105			2SA1576A	TRANSISTOR	
Q106			HAT1038R-E	FET	
Q107			2SC4081	TRANSISTOR	
Q108			DTA124EUA	DIGITAL TRANSISTOR	
Q109-111		✻	HAT1024R-E	FET	
Q112			DTC144EUA	DIGITAL TRANSISTOR	
Q117			DTC144EUA	DIGITAL TRANSISTOR	
Q120			2SA1576A	TRANSISTOR	
Q121			DTC144EUA	DIGITAL TRANSISTOR	
Q122			2SA1576A	TRANSISTOR	
Q123-125			2SC4081	TRANSISTOR	
Q126			DTA114TUA	DIGITAL TRANSISTOR	
Q127			DTA114EUA	DIGITAL TRANSISTOR	
Q128			DTA144EUA	DIGITAL TRANSISTOR	
Q129			IMX9	TRANSISTOR	
Q170			DTC144EUA	DIGITAL TRANSISTOR	
Q172			DTC144EUA	DIGITAL TRANSISTOR	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
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PARTS LIST

VIDEO CONTROL UNIT (X14-957/958x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
Q175			DTC144EUA	DIGITAL TRANSISTOR	
Q180,181			2SC4081	TRANSISTOR	
Q182			2SA1576A	TRANSISTOR	
Q183			DTC124EUA	DIGITAL TRANSISTOR	
Q184			DTC143EUA	DIGITAL TRANSISTOR	
Q200			DTC144EUA	DIGITAL TRANSISTOR	
Q201			DTB123YK	DIGITAL TRANSISTOR	
Q202			DTC144EUA	DIGITAL TRANSISTOR	
Q203			DTB123YK	DIGITAL TRANSISTOR	
Q204			DTC144EUA	DIGITAL TRANSISTOR	
Q205			DTB123YK	DIGITAL TRANSISTOR	
Q206			DTA144EUA	DIGITAL TRANSISTOR	
Q207			DTC144EUA	DIGITAL TRANSISTOR	
Q208			2SA1576A	TRANSISTOR	
Q209			2SC4081	TRANSISTOR	
Q210			2SA1576A	TRANSISTOR	
Q211			2SC4081	TRANSISTOR	
Q212			2SA1576A	TRANSISTOR	
Q213			2SC4081	TRANSISTOR	
Q214			DTA114TUA	DIGITAL TRANSISTOR	
Q215			2SC4081	TRANSISTOR	
Q216			DTA114TUA	DIGITAL TRANSISTOR	
Q217			2SC4081	TRANSISTOR	
Q218			DTA114TUA	DIGITAL TRANSISTOR	
Q219			DTC114TUA	DIGITAL TRANSISTOR	
Q300			2SA1576A	TRANSISTOR	E5E6M2
Q300			2SA1576A	TRANSISTOR	X2C1
Q301			DTC114TUA	DIGITAL TRANSISTOR	E5E6
Q360			2SC4081	TRANSISTOR	
Q361,362			2SA1576A	TRANSISTOR	
Q363			DTA114EUA	DIGITAL TRANSISTOR	
Q364			DTC144EUA	DIGITAL TRANSISTOR	
Q390			2SC4081	TRANSISTOR	
Q391			2SA1576A	TRANSISTOR	
Q400-402			2SA1576A	TRANSISTOR	
Q404,405			2SC4081	TRANSISTOR	
Q650			DTA114TUA	DIGITAL TRANSISTOR	
Q651,652			DTC144EUA	DIGITAL TRANSISTOR	
Q653			DTC114TUA	DIGITAL TRANSISTOR	
Q701-703			2SC4081	TRANSISTOR	
Q704			DTC114TUA	DIGITAL TRANSISTOR	
Q705,706			DTA114TUA	DIGITAL TRANSISTOR	
Q901			2SB1189	TRANSISTOR	K1R1M2
Q901			2SB1189	TRANSISTOR	X2C1
Q902			2SC4081	TRANSISTOR	K1R1M2
Q902			2SC4081	TRANSISTOR	X2C1
Q904			DTB123YK	DIGITAL TRANSISTOR	
Q905,906			DTC144EUA	DIGITAL TRANSISTOR	
SWITCH UNIT (X16-2380-00): IN DVD MECHA.					
CN1			E41-2036-05	FLAT CABLE CONNECTOR	
S1,2			S68-0863-05	PUSH SWITCH	
SUB-CIRCUIT UNIT (X16-303/304x-xx)					
D101			B30-1658-05	LED (RED, S)	

Ref. No.	Add	New	Parts No.	Description	Destination
D203		✻	B30-1713-05	LED (SR, TS)	
D205		✻	B30-1740-05	LED (CL-270PG-C-TS)	
D207-209			B30-1564-05	LED (1608, BLUE)	
D221-225			B30-1605-05	LED (2COLOR PG/RED)	
C101			CK73GB1H104K	CHIP C 0.10UF K	
C201			CK73GB1H104K	CHIP C 0.10UF K	K1R1M2
C201			CK73GB1H104K	CHIP C 0.10UF K	X2C1
C202			CK73FB1C105K	CHIP C 1.0UF K	K1R1M2
C202			CK73FB1C105K	CHIP C 1.0UF K	X2C1
C203			CC73GCH1H221J	CHIP C 220PF J	
C204			CK73FB1A225K	CHIP C 2.2UF K	
C205			CK73GB1H104K	CHIP C 0.10UF K	
CN101		✻	E41-2366-05	FLAT CABLE CONNECTOR	
CN201		✻	E41-2563-05	FLAT CABLE CONNECTOR	K1R1M2
CN201		✻	E41-2563-05	FLAT CABLE CONNECTOR	X2C1
J101			E58-1008-05	RECTANGULAR RECEPTACLE	
J201			E59-0843-05	RECTANGULAR PLUG	
R101,102			RK73EB2E101J	CHIP R 100 J 1/4W	
R103-105			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R106			RK73GB2A101J	CHIP R 100 J 1/10W	
R107			RK73EB2E102J	CHIP R 1.0K J 1/4W	
R201			RK73GB2A152J	CHIP R 1.5K J 1/10W	
R202			RK73GB2A181J	CHIP R 180 J 1/10W	
R203			RK73GB2A101J	CHIP R 100 J 1/10W	
R204			RK73GB2A271J	CHIP R 270 J 1/10W	
R205			RK73GB2A272J	CHIP R 2.7K J 1/10W	
R206			RK73GB2A332J	CHIP R 3.3K J 1/10W	
R207			RK73GB2A181J	CHIP R 180 J 1/10W	
R208			RK73GB2A271J	CHIP R 270 J 1/10W	
R209			RK73GB2A472J	CHIP R 4.7K J 1/10W	
R210-212			RK73GB2A101J	CHIP R 100 J 1/10W	K1R1M2
R210-212			RK73GB2A101J	CHIP R 100 J 1/10W	X2C1
R213			RK73EB2E561J	CHIP R 560 J 1/4W	K1R1M2
R213			RK73EB2E561J	CHIP R 560 J 1/4W	X2C1
R214			RK73EB2E101J	CHIP R 100 J 1/4W	
R215			RK73EB2E561J	CHIP R 560 J 1/4W	K1R1M2
R215			RK73EB2E561J	CHIP R 560 J 1/4W	X2C1
R216			RK73GB2A104J	CHIP R 100K J 1/10W	
R217			RK73EB2E101J	CHIP R 100 J 1/4W	
R219			RK73GB2A391J	CHIP R 390 J 1/10W	
R221			RK73EB2E431J	CHIP R 430 J 1/4W	
R222			RK73GB2A391J	CHIP R 390 J 1/10W	K1R1M2
R222			RK73GB2A391J	CHIP R 390 J 1/10W	X2C1
R224			RK73GB2A822J	CHIP R 8.2K J 1/10W	
R225			RK73GB2A153J	CHIP R 15K J 1/10W	
R226			RK73GB2A473J	CHIP R 47K J 1/10W	
R234,235			RK73GB2A222J	CHIP R 2.2K J 1/10W	
R236			RK73GB2A101J	CHIP R 100 J 1/10W	
R237			RK73FB2B431J	CHIP R 430 J 1/8W	
R238			RK73GB2A391J	CHIP R 390 J 1/10W	
R239,240			RK73GB2A101J	CHIP R 100 J 1/10W	
R242-245			RK73GB2A103J	CHIP R 10K J 1/10W	K1R1M2
R242-245			RK73GB2A103J	CHIP R 10K J 1/10W	X2C1

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PARTS LIST

SUB-CIRCUIT UNIT (X16-303/304x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
S201-206			S70-0901-05	TACT SWITCH	
S207			S70-0874-05	TACT SWITCH	
S208			S70-0901-05	TACT SWITCH	
D102			AVRM1608180M6A	VARISTOR	
D103-106			AVRM1005270MAA	VARISTOR	
D201			UDZS6.2B	ZENER DIODE	
D211-213			DA204U	DIODE	
D214-216			UDZS6.2B	ZENER DIODE	K1R1M2
D214-216			UDZS6.2B	ZENER DIODE	X2C1
D217			AVRM1608120M6A	VARISTOR	
D404-410			AVRM1608180M6A	VARISTOR	
D411			DAP202U	DIODE	E5E6
D411,412			DAP202U	DIODE	K1R1M2
D411,412			DAP202U	DIODE	X2C1
IC201			RS-181	ANALOGUE IC	
Q101			DTC124EUA	DIGITAL TRANSISTOR	
Q204-206			2SA1576A	TRANSISTOR	K1R1M2
Q204-206			2SA1576A	TRANSISTOR	X2C1
Q206			2SA1576A	TRANSISTOR	E5E6
ELECTRIC CIRCUIT MODULEX (X16-3130-00) (W02-3386-25)					
CN1		✻	E41-2300-05	FLAT CABLE (19PIN)	
R2			RK73GB2A273J	CHIP R 27K J 1/10W	
R1			RK73GB2A751J	CHIP R 750 J 1/10W	
VR1			R31-0237-05	SEMI FIXED VARIABLE RESISTOR	
S1			S68-0863-05	PUSH SWITCH	
S2,S3			S68-0871-05	PUSH SWITCH	
S4			S68-0863-05	PUSH SWITCH	
PH1			T95-0253-05	PHOTO INTERRPTER	
ELECTRIC UNIT (X34-353/354x-xx)					
C1			CK73EB1E225K	CHIP C 2.2UF K	
C5			C90-5612-05	ELECTRO 3900UF 16WV	
C6			CK73GB1H104K	CHIP C 0.10UF K	
C7			CK73FB1C105K	CHIP C 1.0UF K	
C8			CD04BA1H3R3M	ELECTRO 3.3UF 50WV	
C9,10			CK73GB1H103K	CHIP C 0.010UF K	
C51			CK73GB1H473K	CHIP C 0.047UF K	
C52			CD04AS1V100M	ELECTRO 10UF 35WV	
C55			CD04BJ1E221M	ELECTRO 220UF 25WV	
C56			CD04BJ1A101M	ELECTRO 100UF 10WV	
C58			CD04AS1C220M	ELECTRO 22UF 16WV	
C59			CD04BD1C101M	ELECTRO 100UF 16WV	
C60-62			CK73EB1E225K	CHIP C 2.2UF K	
C63			CD04BA1C220M	ELECTRO 22UF 16WV	
C64			CK73EB1E225K	CHIP C 2.2UF K	
C65			CK73FB1C105K	CHIP C 1.0UF K	
C67			CD04AY1A221M	ELECTRO 220UF 10WV	
C69			CK73FB1C105K	CHIP C 1.0UF K	
C70			CD04AY1A221M	ELECTRO 220UF 10WV	
C71			CK73GB1H223K	CHIP C 0.022UF K	
C72			CK73GB1H103K	CHIP C 0.010UF K	
C73,74			CD04BA1E4R7M	ELECTRO 4.7UF 25WV	
C101			CK73GB1A105K	CHIP C 1.0UF K	

Ref. No.	Add	New	Parts No.	Description	Destination
C103			CK73GB1A105K	CHIP C 1.0UF K	
C104			CD04AS1C101M	ELECTRO 100UF 16WV	
C108-112			C90-6742-05	NP-ELECT 4.7UF 16WV	
C113			CK73GB1H103K	CHIP C 0.010UF K	
C150			CD04AS1C470M	ELECTRO 47UF 16WV	
C151,152			CK73GB1H152K	CHIP C 1500PF K	
C153			CD04AS1V100M	ELECTRO 10UF 35WV	
C154,155			CK73FB1C105K	CHIP C 1.0UF K	
C162,163			CD04AS1V100M	ELECTRO 10UF 35WV	
C164			CK73GB1H103K	CHIP C 0.010UF K	
C165			CD04AS1V100M	ELECTRO 10UF 35WV	
C166			CK73GB1H104K	CHIP C 0.10UF K	
C167			CK73GB1H103K	CHIP C 0.010UF K	
C168			CD04AT1H010M	ELECTRO 1UF 50WV	
C169			CD04AS1H010M	ELECTRO 1UF 50WV	
C170			CD04AS1C470M	ELECTRO 47UF 16WV	
C171			CD04AS1H010M	ELECTRO 1UF 50WV	
C172			CK73GB1H102K	CHIP C 1000PF K	
C173			CD04AS1H4R7M	ELECTRO 4.7UF 50WV	
C174			CK73FB1E474K	CHIP C 0.47UF K	
C175			CK73GB1H102K	CHIP C 1000PF K	
C176			CK73FB1E474K	CHIP C 0.47UF K	
C177			CD04AS1C101M	ELECTRO 100UF 16WV	
C178,179			CD04AS1H3R3M	ELECTRO 3.3UF 50WV	
C180,181			CK73FB1A225K	CHIP C 2.2UF K	
C182-185			CC73GCH1H101J	CHIP C 100PF J	
C186			CK73FB1C105K	CHIP C 1.0UF K	
C187,188			CD04AS1H3R3M	ELECTRO 3.3UF 50WV	
C200			CD04AS1C220M	ELECTRO 22UF 16WV	
C201			CD04BJ1H100M	ELECTRO 10UF 50WV	
C202			CK73GB1H103K	CHIP C 0.010UF K	
C203,204			CD04BJ1H100M	ELECTRO 10UF 50WV	
C205			CK73GB1H102K	CHIP C 1000PF K	
C206			CD04BJ1H100M	ELECTRO 10UF 50WV	
C207			CK73GB1H103K	CHIP C 0.010UF K	
C208			CK73GB1H102K	CHIP C 1000PF K	
C209-213			CD04BJ1H100M	ELECTRO 10UF 50WV	
C214			CK73GB1H103K	CHIP C 0.010UF K	
C215,216			CK73GB1H102K	CHIP C 1000PF K	
C217-219			CD04BJ1H100M	ELECTRO 10UF 50WV	
C220			CK73GB1H103K	CHIP C 0.010UF K	
C221			CK73GB1H102K	CHIP C 1000PF K	
C222-224			CD04BJ1H100M	ELECTRO 10UF 50WV	
C225			CK73GB1H103K	CHIP C 0.010UF K	
C226			CK73GB1H102K	CHIP C 1000PF K	
C227-229			CD04BJ1H100M	ELECTRO 10UF 50WV	
C230			CK73GB1H103K	CHIP C 0.010UF K	
C231			CD04AS1C220M	ELECTRO 22UF 16WV	
C233			CD04AS1V100M	ELECTRO 10UF 35WV	
C234			CK73GB1H222K	CHIP C 2200PF K	
C235,236			CK73GB1H102K	CHIP C 1000PF K	
C237			CK73GB1H222K	CHIP C 2200PF K	
C238			CD04AS1V100M	ELECTRO 10UF 35WV	
C239			CD04AS0J101M	ELECTRO 100UF 6.3WV	K1
C240			CD04AS1H4R7M	ELECTRO 4.7UF 50WV	K1

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
X2 : KVT-747DVD (Australia) **R1** : KVT-747DVD (Latin America)
C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-353/354x-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
C241			CD04AS1C220M	ELECTRO	22UF	16WV	K1
C242			CK73GB1H103K	CHIP C	0.010UF	K	K1
C243			CD04AS1H4R7M	ELECTRO	4.7UF	50WV	K1
C244			CD04AS0J101M	ELECTRO	100UF	6.3WV	
C245			CD04AS1H4R7M	ELECTRO	4.7UF	50WV	
C246			CD04AS1C220M	ELECTRO	22UF	16WV	
C247			CK73GB1H103K	CHIP C	0.010UF	K	
C248			CD04AS1H4R7M	ELECTRO	4.7UF	50WV	
C251,252			CC73GCH1H100D	CHIP C	10PF	D	E6M2
C251,252			CC73GCH1H100D	CHIP C	10PF	D	K1R1E5
C255			CD04AS1V100M	ELECTRO	10UF	35WV	E6M2
C255			CD04AS1V100M	ELECTRO	10UF	35WV	K1R1E5
C256			CC73GCH1H331J	CHIP C	330PF	J	E6M2
C256			CC73GCH1H331J	CHIP C	330PF	J	K1R1E5
C257			CD04AS1V100M	ELECTRO	10UF	35WV	E6M2
C257			CD04AS1V100M	ELECTRO	10UF	35WV	K1R1E5
C258			CK73GB1H103K	CHIP C	0.010UF	K	E6M2
C258			CK73GB1H103K	CHIP C	0.010UF	K	K1R1E5
C267-270			CK73GB1H103K	CHIP C	0.010UF	K	
C274			CK73FB1A225K	CHIP C	2.2UF	K	
C275,276			CD04AW1HR47M	ELECTRO	0.47UF	50WV	
C300			CK73GB1H103K	CHIP C	0.010UF	K	
C301,302			CK73GB1H104K	CHIP C	0.10UF	K	
C303			CK73GB1H103K	CHIP C	0.010UF	K	
C304			CK73GB1A105K	CHIP C	1.0UF	K	
C308			CD04BJ0J331M	ELECTRO	330UF	6.3WV	
C309			CK73GB1H103K	CHIP C	0.010UF	K	
C310			CK73GB1H102K	CHIP C	1000PF	K	
C400,401			CK73GB1A105K	CHIP C	1.0UF	K	E5E6
C401			CK73GB1A105K	CHIP C	1.0UF	K	K1R1M2
C401			CK73GB1A105K	CHIP C	1.0UF	K	X2C1
C403			CD04BJ1A221M	ELECTRO	220UF	10WV	
C404			CK73GB1H104K	CHIP C	0.10UF	K	
C405,406			CK73GB1A105K	CHIP C	1.0UF	K	E5E6
C406			CK73GB1A105K	CHIP C	1.0UF	K	K1R1M2
C406			CK73GB1A105K	CHIP C	1.0UF	K	X2C1
C408			CD04BJ1A221M	ELECTRO	220UF	10WV	
C409			CK73GB1H104K	CHIP C	0.10UF	K	
C410,411			CK73GB1A105K	CHIP C	1.0UF	K	E5E6
C411			CK73GB1A105K	CHIP C	1.0UF	K	K1R1M2
C411			CK73GB1A105K	CHIP C	1.0UF	K	X2C1
C413			CD04BJ1A221M	ELECTRO	220UF	10WV	
C414			CK73GB1H104K	CHIP C	0.10UF	K	
C415			CK73GB1H103K	CHIP C	0.010UF	K	
C416			CK73GB1H561K	CHIP C	560PF	K	
C417			CK73GB1A105K	CHIP C	1.0UF	K	
C418			CK73GB1H561K	CHIP C	560PF	K	
C419			CK73GB1H103K	CHIP C	0.010UF	K	
C420,421			CK73GB1H104K	CHIP C	0.10UF	K	
C422			CK73GB1H103K	CHIP C	0.010UF	K	
C423			CD04AS1C220M	ELECTRO	22UF	16WV	
C424			CD04AS1V100M	ELECTRO	10UF	35WV	
C425			CK73GB1A105K	CHIP C	1.0UF	K	M2X2C1
C425			CK73GB1A105K	CHIP C	1.0UF	K	R1E5E6
C425,426			CK73GB1A105K	CHIP C	1.0UF	K	K1

Ref. No.	Add	New	Parts No.	Description			Destination
C428			CK73GB1H104K	CHIP C	0.10UF	K	
C429-431			CK73GB1A105K	CHIP C	1.0UF	K	
C432			CD04BJ0J331M	ELECTRO	330UF	6.3WV	
C433			CK73GB1H104K	CHIP C	0.10UF	K	
C434-436			CK73GB0J225K	CHIP C	2.2UF	K	
C437			CD04BJ1C471M	ELECTRO	470UF	16WV	
C438			CK73GB1H104K	CHIP C	0.10UF	K	
C442			CD04AS1V100M	ELECTRO	10UF	35WV	
C448,449			CK73GB1H103K	CHIP C	0.010UF	K	
C450-452			CD04AY1H220M	ELECTRO	22UF	50WV	
C454,455			CK73GB1A105K	CHIP C	1.0UF	K	
C457,458			CK73GB1A105K	CHIP C	1.0UF	K	K1
C458			CK73GB1A105K	CHIP C	1.0UF	K	M2X2C1
C458			CK73GB1A105K	CHIP C	1.0UF	K	R1E5E6
C461-463			CK73GB1H104K	CHIP C	0.10UF	K	K1
C462,463			CK73GB1H104K	CHIP C	0.10UF	K	M2X2C1
C462,463			CK73GB1H104K	CHIP C	0.10UF	K	R1E5E6
C500			CK73GB1H103K	CHIP C	0.010UF	K	
C501,502			CD04AS1H4R7M	ELECTRO	4.7UF	50WV	
C503			CD04AS0J101M	ELECTRO	100UF	6.3WV	
C504			CD04AS1C220M	ELECTRO	22UF	16WV	
C505			CD04AS1V100M	ELECTRO	10UF	35WV	
C506,507			CK73GB1H104K	CHIP C	0.10UF	K	
C508			CD04AS0J470M	ELECTRO	47UF	6.3WV	
C509-511			CD04AS1H4R7M	ELECTRO	4.7UF	50WV	
C512			CD04AS0J470M	ELECTRO	47UF	6.3WV	
C513			CD04AS1H4R7M	ELECTRO	4.7UF	50WV	
C514			CD04AS0J470M	ELECTRO	47UF	6.3WV	
C515,516			CD04AS1H4R7M	ELECTRO	4.7UF	50WV	
C520			CK73GB1H103K	CHIP C	0.010UF	K	
C521			CD04AS1V100M	ELECTRO	10UF	35WV	
C522			CD04AS0J470M	ELECTRO	47UF	6.3WV	
C523,524			CK73GB1H103K	CHIP C	0.010UF	K	
C803			CK73GB1H103K	CHIP C	0.010UF	K	M2X2C1
C803			CK73GB1H103K	CHIP C	0.010UF	K	R1E5E6
C803,804			CK73GB1H103K	CHIP C	0.010UF	K	K1
CN1		✻	E41-2550-05	PIN ASSY			
CN250,251		✻	E41-2383-05	PIN ASSY			
CN252,253			E40-9423-05	SOCKET FOR PIN ASSY			
⚠ J1			E58-0991-05	RECTANGULAR RECEPTACLE			
J200		✻	E63-0932-05	PIN JACK			
J201		✻	E63-0917-05	PIN JACK			K1
J201		✻	E63-0919-05	PIN JACK			M2X2C1
J201		✻	E63-0919-05	PIN JACK			R1E5E6
J202		✻	E63-0933-05	PIN JACK			
J250			E04-0326-05	RF COAXIAL CABLE RECEPTACLE			
J500			E56-0856-05	CYLINDRICAL RECEPTACLE			
J501			E58-0963-05	RECTANGULAR RECEPTACLE			
J502			E58-1034-05	RECTANGULAR RECEPTACLE			
J503		✻	E56-0868-05	CYLINDRICAL RECEPTACLE			
L1			L33-1063-25	CHOKE COIL			
L50			L41-2205-33	SMALL FIXED INDUCTOR (22U)			
L150			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)			
L250			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)			E6M2

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
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C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-353/354x-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
L250			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)				K1R1E5
L252			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)				
L254			L41-4795-33	SMALL FIXED INDUCTOR (4.7U)				
L255			L33-1977-05	CHOKE COIL				
L300			L41-1005-33	SMALL FIXED INDUCTOR (10U)				
L400-402			L41-1005-33	SMALL FIXED INDUCTOR (10U)				
X250			L77-2002-05	CRYSTAL RESONATOR				E6M2
X250			L77-2002-05	CRYSTAL RESONATOR				K1R1E5
X300			L78-0892-05	RESONATOR (19M)				
S	2H		N09-6135-05	TAPTITE SCREW (3X8 B)				
T	2H	✻	N35-3020-48	BINDING HEAD MACHINE SCREW				
R1			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R2			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R3			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R4			RK73GB2A123J	CHIP R	12K	J	1/10W	
R5			RK73GB2A103J	CHIP R	10K	J	1/10W	
R6			RK73EB2E102J	CHIP R	1.0K	J	1/4W	
R7			RK73EB2E103J	CHIP R	10K	J	1/4W	
R10,11			RK73PB2H102J	CHIP R	1.0K	J	1/2W	
R12			RK73GB2A223J	CHIP R	22K	J	1/10W	
R13,14			RK73FB2B472J	CHIP R	4.7K	J	1/8W	
R15			RK73SB3A561J	CHIP R	560	J	1W	K1R1M2
R15			RK73SB3A561J	CHIP R	560	J	1W	X2C1
R16,17			RK73GB2A223J	CHIP R	22K	J	1/10W	K1R1M2
R16,17			RK73GB2A223J	CHIP R	22K	J	1/10W	X2C1
R17			RK73GB2A223J	CHIP R	22K	J	1/10W	E5E6
R18			RK73GB2A103J	CHIP R	10K	J	1/10W	
R19			RK73GB2A104J	CHIP R	100K	J	1/10W	
R20			RK73GB2A183J	CHIP R	18K	J	1/10W	
R21			RK73FB2B561J	CHIP R	560	J	1/8W	
R22			RK73GB2A473J	CHIP R	47K	J	1/10W	
R24			RK73GB2A683J	CHIP R	68K	J	1/10W	
R25			RK73GB2A393J	CHIP R	39K	J	1/10W	
R26			RK73GB2A104J	CHIP R	100K	J	1/10W	
R27			RK73EB2E101J	CHIP R	100	J	1/4W	
R28			RK73GB2A104J	CHIP R	100K	J	1/10W	
R29			RK73GB2A103J	CHIP R	10K	J	1/10W	
R30			RK73GB2A474J	CHIP R	470K	J	1/10W	
R50			RK73FB2B182J	CHIP R	1.8K	J	1/8W	
R51			RK73GB2A104J	CHIP R	100K	J	1/10W	
R53			RK73GB2A101J	CHIP R	100	J	1/10W	
R55			RK73FB2B203J	CHIP R	20K	J	1/8W	
R56			RK73FB2B221J	CHIP R	220	J	1/8W	
R58			RK73FB2B221J	CHIP R	220	J	1/8W	
R59			RK73FB2B272J	CHIP R	2.7K	J	1/8W	
R60			RK73GB2A223J	CHIP R	22K	J	1/10W	
R61			RK73GB2A153J	CHIP R	15K	J	1/10W	
R63			RK73GH2A243D	CHIP R	24K	D	1/10W	
R64			RK73GH2A432D	CHIP R	4.3K	D	1/10W	
R67			RK73GB2A272J	CHIP R	2.7K	J	1/10W	
R68			RK73GB2A153J	CHIP R	15K	J	1/10W	
R69			RK73GB2A470J	CHIP R	47	J	1/10W	
R70			RK73GH2A153D	CHIP R	15K	D	1/10W	
R71			RK73GH2A512D	CHIP R	5.1K	D	1/10W	

Ref. No.	Add	New	Parts No.	Description				Destination
R72			RK73GB2A752J	CHIP R	7.5K	J	1/10W	
R73			RK73GB2A274J	CHIP R	270K	J	1/10W	
R74			RK73GB2A563J	CHIP R	56K	J	1/10W	
R75			RK73GB2A470J	CHIP R	47	J	1/10W	
R76			RK73GB2A103J	CHIP R	10K	J	1/10W	
R77,78			RK73GB2A913J	CHIP R	91K	J	1/10W	
R79			RK73GB2A750J	CHIP R	75	J	1/10W	
R80			RK73GB2A101J	CHIP R	100	J	1/10W	
R100			RK73GB2A103J	CHIP R	10K	J	1/10W	
R101			RK73GB2A432J	CHIP R	4.3K	J	1/10W	
R102			RK73GB2A103J	CHIP R	10K	J	1/10W	
R103			RK73GB2A333J	CHIP R	33K	J	1/10W	
R104,105			RK73GB2A103J	CHIP R	10K	J	1/10W	
R106			RK73GB2A223J	CHIP R	22K	J	1/10W	
R107			RK73GB2A221J	CHIP R	220	J	1/10W	
R108			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R110			RK73GB2A103J	CHIP R	10K	J	1/10W	
R111			RK73GB2A390J	CHIP R	39	J	1/10W	
R113			RK73GB2A104J	CHIP R	100K	J	1/10W	
R114-117			RK73GB2A471J	CHIP R	470	J	1/10W	
R118			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R120			RK73GB2A223J	CHIP R	22K	J	1/10W	
R121			RK73GB2A431J	CHIP R	430	J	1/10W	
R122			RK73GB2A100J	CHIP R	10	J	1/10W	
R150			RK73EB2E2R2J	CHIP R	2.2	J	1/4W	
R151,152			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R159			RK73GB2A391J	CHIP R	390	J	1/10W	
R160			RK73GB2A242J	CHIP R	2.4K	J	1/10W	
R162			RK73GH2A512D	CHIP R	5.1K	D	1/10W	
R163			RK73GH2A472D	CHIP R	4.7K	D	1/10W	
R164			RK73GB2A562J	CHIP R	5.6K	J	1/10W	
R165			RK73GB2A103J	CHIP R	10K	J	1/10W	
R166			RK73GB2A101J	CHIP R	100	J	1/10W	
R167,168			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R169			RK73FB2B152J	CHIP R	1.5K	J	1/8W	
R170			RK73GB2A104J	CHIP R	100K	J	1/10W	
R171			RK73FB2B4R7J	CHIP R	4.7	J	1/8W	
R172			RK73GB2A332J	CHIP R	3.3K	J	1/10W	
R173,174			RK73GB2A101J	CHIP R	100	J	1/10W	
R176			RK73GB2A100J	CHIP R	10	J	1/10W	
R177-180			RK73GB2A101J	CHIP R	100	J	1/10W	
R181,182			RK73GB2A103J	CHIP R	10K	J	1/10W	
R184			RK73FB2B1R0J	CHIP R	1.0	J	1/8W	
R200			RK73FB2B203J	CHIP R	20K	J	1/8W	
R201			RK73FB2B103J	CHIP R	10K	J	1/8W	
R202			RK73EB2E820J	CHIP R	82	J	1/4W	
R203			RK73GB2A361J	CHIP R	360	J	1/10W	
R204			RK73GB2A104J	CHIP R	100K	J	1/10W	
R205			RK73GB2A223J	CHIP R	22K	J	1/10W	
R206			RK73EB2E820J	CHIP R	82	J	1/4W	
R207			RK73FB2B203J	CHIP R	20K	J	1/8W	
R208			RK73FB2B103J	CHIP R	10K	J	1/8W	
R209			RK73GB2A223J	CHIP R	22K	J	1/10W	
R210			RK73GB2A104J	CHIP R	100K	J	1/10W	
R211			RK73GB2A361J	CHIP R	360	J	1/10W	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
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C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-353/354x-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
R212			RK73EB2E820J	CHIP R	82	J	1/4W	
R213			RK73FB2B203J	CHIP R	20K	J	1/8W	
R214			RK73FB2B103J	CHIP R	10K	J	1/8W	
R215			RK73GB2A361J	CHIP R	360	J	1/10W	
R216			RK73GB2A104J	CHIP R	100K	J	1/10W	
R217			RK73GB2A223J	CHIP R	22K	J	1/10W	
R218,219			RK73GB2A473J	CHIP R	47K	J	1/10W	
R220			RK73GB2A223J	CHIP R	22K	J	1/10W	
R221			RK73GB2A104J	CHIP R	100K	J	1/10W	
R222			RK73EB2E820J	CHIP R	82	J	1/4W	
R223			RK73FB2B203J	CHIP R	20K	J	1/8W	
R224			RK73FB2B103J	CHIP R	10K	J	1/8W	
R225,226			RK73GB2A361J	CHIP R	360	J	1/10W	
R227			RK73FB2B203J	CHIP R	20K	J	1/8W	
R228			RK73FB2B103J	CHIP R	10K	J	1/8W	
R229			RK73GB2A104J	CHIP R	100K	J	1/10W	
R230			RK73EB2E820J	CHIP R	82	J	1/4W	
R231,232			RK73GB2A223J	CHIP R	22K	J	1/10W	
R233			RK73GB2A104J	CHIP R	100K	J	1/10W	
R234			RK73GB2A361J	CHIP R	360	J	1/10W	
R235			RK73EB2E820J	CHIP R	82	J	1/4W	
R236			RK73FB2B203J	CHIP R	20K	J	1/8W	
R237			RK73FB2B103J	CHIP R	10K	J	1/8W	
R238			RK73EB2E750J	CHIP R	75	J	1/4W	
R239			RK73EB2E101J	CHIP R	100	J	1/4W	
R240			RK73GB2A361J	CHIP R	360	J	1/10W	
R241,242			RK73GB2A223J	CHIP R	22K	J	1/10W	
R243			RK73EB2E101J	CHIP R	100	J	1/4W	
R244			RK73GB2A361J	CHIP R	360	J	1/10W	
R245			RK73EB2E4R7J	CHIP R	4.7	J	1/4W	K1
R246			RK73EB2E100J	CHIP R	10	J	1/4W	K1
R247			RK73GB2A222J	CHIP R	2.2K	J	1/10W	K1
R248			RK73GB2A471J	CHIP R	470	J	1/10W	
R249			RK73EB2E100J	CHIP R	10	J	1/4W	K1
R250			RK73EB2E4R7J	CHIP R	4.7	J	1/4W	
R251			RK73EB2E100J	CHIP R	10	J	1/4W	
R252			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R253			RK73EB2E101J	CHIP R	100	J	1/4W	K1
R254			RK73EB2E100J	CHIP R	10	J	1/4W	
R255,256			RK73GB2A750J	CHIP R	75	J	1/10W	K1
R256			RK73GB2A750J	CHIP R	75	J	1/10W	M2X2C1
R256			RK73GB2A750J	CHIP R	75	J	1/10W	R1E5E6
R257			RK73GB2A222J	CHIP R	2.2K	J	1/10W	E6M2
R257			RK73GB2A222J	CHIP R	2.2K	J	1/10W	K1R1E5
R260			RK73GB2A222J	CHIP R	2.2K	J	1/10W	E6M2
R260			RK73GB2A222J	CHIP R	2.2K	J	1/10W	K1R1E5
R261			RK73EB2E101J	CHIP R	100	J	1/4W	
R262			RK73GB2A222J	CHIP R	2.2K	J	1/10W	E6M2
R262			RK73GB2A222J	CHIP R	2.2K	J	1/10W	K1R1E5
R263			RK73GB2A223J	CHIP R	22K	J	1/10W	
R265			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R266			RK73EB2E101J	CHIP R	100	J	1/4W	
R267			RK73GB2A750J	CHIP R	75	J	1/10W	
R300			RK73GB2A104J	CHIP R	100K	J	1/10W	
R301,302			RK73GB2A101J	CHIP R	100	J	1/10W	

Ref. No.	Add	New	Parts No.	Description				Destination
R304			RK73GB2A101J	CHIP R	100	J	1/10W	
R305			RK73GB2A104J	CHIP R	100K	J	1/10W	
R306			RK73GB2A103J	CHIP R	10K	J	1/10W	
R313			RK73GB2A104J	CHIP R	100K	J	1/10W	
R314			RK73GB2A103J	CHIP R	10K	J	1/10W	
R315			RK73GB2A101J	CHIP R	100	J	1/10W	
R316			RK73GB2A103J	CHIP R	10K	J	1/10W	
R317			RK73GB2A101J	CHIP R	100	J	1/10W	
R319			RK73GB2A473J	CHIP R	47K	J	1/10W	
R320,321			RK73GB2A104J	CHIP R	100K	J	1/10W	
R322			RK73GB2A101J	CHIP R	100	J	1/10W	
R323			RK73GB2A104J	CHIP R	100K	J	1/10W	
R324			RK73GB2A101J	CHIP R	100	J	1/10W	
R325			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R326			RK73GB2A101J	CHIP R	100	J	1/10W	
R327			RK73GB2A472J	CHIP R	4.7K	J	1/10W	
R328			RK73GB2A104J	CHIP R	100K	J	1/10W	
R330			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R331			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R332			RK73GB2A104J	CHIP R	100K	J	1/10W	
R335			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R339			RK73GB2A103J	CHIP R	10K	J	1/10W	
R343-345			RK73GB2A101J	CHIP R	100	J	1/10W	
R347			RK73GB2A101J	CHIP R	100	J	1/10W	
R349			RK73GB2A101J	CHIP R	100	J	1/10W	
R350			RK73GB2A104J	CHIP R	100K	J	1/10W	
R351			RK73GB2A101J	CHIP R	100	J	1/10W	
R352			RK73GB2A104J	CHIP R	100K	J	1/10W	
R353			RK73GB2A101J	CHIP R	100	J	1/10W	
R354			RK73GB2A104J	CHIP R	100K	J	1/10W	
R355			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R356			RK73GB2A104J	CHIP R	100K	J	1/10W	
R357			RK73GB2A223J	CHIP R	22K	J	1/10W	
R358-360			RK73GB2A104J	CHIP R	100K	J	1/10W	
R362			RK73GB2A223J	CHIP R	22K	J	1/10W	
R363			RK73GB2A103J	CHIP R	10K	J	1/10W	
R365			RK73GB2A103J	CHIP R	10K	J	1/10W	R1X2C1
R366,367			RK73GB2A103J	CHIP R	10K	J	1/10W	K1E5E6
R366,367			RK73GB2A103J	CHIP R	10K	J	1/10W	M2
R367			RK73GB2A103J	CHIP R	10K	J	1/10W	R1X2C1
R369			RK73GB2A103J	CHIP R	10K	J	1/10W	M2
R369			RK73GB2A103J	CHIP R	10K	J	1/10W	R1E5E6
R370			RK73GB2A103J	CHIP R	10K	J	1/10W	X2C1
R370,371			RK73GB2A103J	CHIP R	10K	J	1/10W	K1
R371			RK73GB2A103J	CHIP R	10K	J	1/10W	R1M2
R372			RK73GB2A103J	CHIP R	10K	J	1/10W	C1
R372			RK73GB2A103J	CHIP R	10K	J	1/10W	E5E6X2
R374			RK73GB2A103J	CHIP R	10K	J	1/10W	
R400			RK73GB2A103J	CHIP R	10K	J	1/10W	
R401			RK73GB2A334J	CHIP R	330K	J	1/10W	
R402			RK73GB2A561J	CHIP R	560	J	1/10W	
R403			RK73GB2A102J	CHIP R	1.0K	J	1/10W	
R404			RK73GB2A222J	CHIP R	2.2K	J	1/10W	
R412-415			RK73GB2A103J	CHIP R	10K	J	1/10W	
R500,501			RK73EB2E100J	CHIP R	10	J	1/4W	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
X2 : KVT-747DVD (Australia) **R1** : KVT-747DVD (Latin America)
C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

ELECTRIC UNIT (X34-353/354x-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
R502			RK73EB2E4R7J	CHIP R 4.7	J	1/4W	
R503			RK73GB2A102J	CHIP R 1.0K	J	1/10W	
R504			RK73GB2A222J	CHIP R 2.2K	J	1/10W	
R505			RK73EB2E472J	CHIP R 4.7K	J	1/4W	
R506			RK73EB2E101J	CHIP R 100	J	1/4W	
R507-510			RK73EB2E472J	CHIP R 4.7K	J	1/4W	
R511,512			RK73EB2E101J	CHIP R 100	J	1/4W	
R513,514			RK73GB2A103J	CHIP R 10K	J	1/10W	
R515-517			RK73EB2E102J	CHIP R 1.0K	J	1/4W	
R518			RK73EB2E101J	CHIP R 100	J	1/4W	
R519-521			RK73EB2E102J	CHIP R 1.0K	J	1/4W	
R522			RK73EB2E101J	CHIP R 100	J	1/4W	
R523-526			RK73EB2E750J	CHIP R 75	J	1/4W	
R527			RK73GB2A750J	CHIP R 75	J	1/10W	
R528			RK73EB2E4R7J	CHIP R 4.7	J	1/4W	
R529,530			RK73EB2E150J	CHIP R 15	J	1/4W	
R531			RK73EB2E100J	CHIP R 10	J	1/4W	
R532			RK73EB2E4R7J	CHIP R 4.7	J	1/4W	
R533			RK73EB2E100J	CHIP R 10	J	1/4W	
R534,535			RK73EB2E102J	CHIP R 1.0K	J	1/4W	
R536-538			RK73EB2E101J	CHIP R 100	J	1/4W	
R539,540			RK73EB2E102J	CHIP R 1.0K	J	1/4W	
R541-548			RK73GB2A750J	CHIP R 75	J	1/10W	E5E6
R544-548			RK73GB2A750J	CHIP R 75	J	1/10W	K1R1M2
R544-548			RK73GB2A750J	CHIP R 75	J	1/10W	X2C1
R549-551			RK73EB2E102J	CHIP R 1.0K	J	1/4W	
R552			RK73EB2E4R7J	CHIP R 4.7	J	1/4W	
R553,554			RK73EB2E100J	CHIP R 10	J	1/4W	
R565			RK73EB2E101J	CHIP R 100	J	1/4W	K1R1M2
R565			RK73EB2E101J	CHIP R 100	J	1/4W	X2C1
R565-572			RK73EB2E101J	CHIP R 100	J	1/4W	E5E6
R569-572			RK73EB2E101J	CHIP R 100	J	1/4W	K1R1M2
R569-572			RK73EB2E101J	CHIP R 100	J	1/4W	X2C1
R578			RK73GB2A103J	CHIP R 10K	J	1/10W	
R579			RK73GB2A432J	CHIP R 4.3K	J	1/10W	
R580			RK73GB2A102J	CHIP R 1.0K	J	1/10W	
R581,582			RK73GB2A104J	CHIP R 100K	J	1/10W	
R583,584			RK73GH2A153D	CHIP R 15K	D	1/10W	
R585			RK73EB2E4R7J	CHIP R 4.7	J	1/4W	
R586,587			RK73GH2A153D	CHIP R 15K	D	1/10W	
R588,589			RK73GB2A104J	CHIP R 100K	J	1/10W	
R590-593			RK73GH2A153D	CHIP R 15K	D	1/10W	
R800			RK73EB2E102J	CHIP R 1.0K	J	1/4W	
R801			RK73GB2A104J	CHIP R 100K	J	1/10W	
R802			RK73GB2A102J	CHIP R 1.0K	J	1/10W	M2X2C1
R802			RK73GB2A102J	CHIP R 1.0K	J	1/10W	R1E5E6
R802,803			RK73GB2A102J	CHIP R 1.0K	J	1/10W	K1
R804-811			RK73GB2A103J	CHIP R 10K	J	1/10W	
R850-856			RK73GB2A101J	CHIP R 100	J	1/10W	
W1			R92-1252-05	CHIP R 0 OHM	J	1/16W	E5E6
W50			RK73EB2E000J	CHIP R 0.0	J	1/4W	
W100			R92-1252-05	CHIP R 0 OHM	J	1/16W	
W250,251			R92-1252-05	CHIP R 0 OHM	J	1/16W	
W300			R92-1252-05	CHIP R 0 OHM	J	1/16W	
W801			RK73EB2E000J	CHIP R 0.0	J	1/4W	

Ref. No.	Add	New	Parts No.	Description	Destination
W852			R92-1252-05	CHIP R 0 OHM J 1/16W	
D1-8		✻	M1F60-5063	DIODE	
D9			RM10ZLFNF	DIODE	
D10			1SR154-400	DIODE	E5E6
D10,11			1SR154-400	DIODE	K1R1M2
D10,11			1SR154-400	DIODE	X2C1
D12			DAP202U	DIODE	
D13,14			1SR154-400	DIODE	
D15			UDZS6.8B	ZENER DIODE	
D16			UDZS5.6B	ZENER DIODE	
D17			UDZS4.7B	ZENER DIODE	
D18			DAP202U	DIODE	
D19			UDZS6.8B	ZENER DIODE	
D52			UDZS11B	ZENER DIODE	
D54,55			UDZS5.6B	ZENER DIODE	
D100,101			DAP202U	DIODE	
D150			UDZS6.8B	ZENER DIODE	
D151			DA227	DIODE	
D152			UDZS16B	ZENER DIODE	
D155-157			DAP202U	DIODE	
D200			DAP202U	DIODE	
D201			STZ6.2N	ZENER DIODE	
D203,204			DAP202U	DIODE	
D205			UDZS4.7B	ZENER DIODE	
D206			STZ6.2N	ZENER DIODE	K1
D207-209			STZ6.8N	ZENER DIODE	K1
D209			STZ6.8N	ZENER DIODE	M2X2C1
D209			STZ6.8N	ZENER DIODE	R1E5E6
D210			STZ6.2N	ZENER DIODE	
D211			STZ6.8N	ZENER DIODE	
D212-214			DAP202U	DIODE	
D216			DAP202U	DIODE	
D218			STZ6.8N	ZENER DIODE	
D252			IMSA-6801-E	SURGE ABSORBER	
D300			DA227	DIODE	
D413			UDZS4.7B	ZENER DIODE	
D414			DAP202U	DIODE	
D500,501			STZ6.8N	ZENER DIODE	
D502			UDZS4.7B	ZENER DIODE	
D503			DAP202U	DIODE	
D504-507			STZ6.2N	ZENER DIODE	
D508			DAN202U	DIODE	
D509-518			STZ6.2N	ZENER DIODE	
D519-521			STZ6.8N	ZENER DIODE	
D522-525			STZ6.2N	ZENER DIODE	K1R1M2
D522-525			STZ6.2N	ZENER DIODE	X2C1
D522-535			STZ6.2N	ZENER DIODE	E5E6
D529-535			STZ6.2N	ZENER DIODE	K1R1M2
D529-535			STZ6.2N	ZENER DIODE	X2C1
D536,537			DA204U	DIODE	
D538			STZ6.2N	ZENER DIODE	
D539			STZ6.8N	ZENER DIODE	
D550			UDZS6.8B	ZENER DIODE	
D800			STZ6.2N	ZENER DIODE	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
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PARTS LIST

ELECTRIC UNIT (X34-353/354x-xx)

Ref. No.	Add	New	Parts No.	Description	Destination
IC50			M5237ML-CF0J	ANALOGUE IC	
IC52			ICL7660SIBAZ	ANALOGUE IC	
IC54			M5237ML-CF0J	ANALOGUE IC	
IC100			E-TDA7560A	ANALOGUE IC	
IC150			NJM4565V-ZB	ANALOGUE IC	
IC151			E-TDA7415	ANALOGUE IC	
IC200-202			NJM4565V-ZB	ANALOGUE IC	
IC203,204			BA3121F	ANALOGUE IC	K1
IC204			BA3121F	ANALOGUE IC	M2X2C1
IC204			BA3121F	ANALOGUE IC	R1E5E6
IC251			E-TDA7479AD	ANALOGUE IC	E6M2
IC251			E-TDA7479AD	ANALOGUE IC	K1R1E5
IC300			S-80842CNNB-G	MOS-IC	
IC301			SN74HC02APWR	MOS-IC	
IC302			BR24L02FV-W	ROM IC	
IC303		✻	703030YGCJ13A	MICROCONTROLLER IC	
IC400-402		✻	MM1508XNRE-E	ANALOGUE IC	
IC403			MM1108XFFE-E	ANALOGUE IC	
IC404		✻	BA7653AFV	ANALOGUE IC	
IC405			BA3121F	ANALOGUE IC	
IC406			BA7652AF	ANALOGUE IC	
IC407,408			MM1228XFBE-E	ANALOGUE IC	
IC413,414			TC4052BFT	MOS-IC	
IC415			MM1503-E	ANALOGUE IC	
IC416			BA7652AF	ANALOGUE IC	
IC500			BA3121F	ANALOGUE IC	
IC501		✻	TC7SET04FU-F	MOS-IC	
IC502			TC7SH08FU-F	MOS-IC	
IC504,505			NJM2060V-ZB	ANALOGUE IC	
Q1			2SB1189	TRANSISTOR	
Q2			2SC4081	TRANSISTOR	
Q3			2SA1576A	TRANSISTOR	
Q4			2SC4081	TRANSISTOR	
Q6,7			DTC114YUA	DIGITAL TRANSISTOR	K1R1M2
Q6,7			DTC114YUA	DIGITAL TRANSISTOR	X2C1
Q7			DTC114YUA	DIGITAL TRANSISTOR	E5E6
Q8			DTA114EUA	DIGITAL TRANSISTOR	
Q9,10			2SB1188(Q,R)	TRANSISTOR	K1R1M2
Q9,10			2SB1188(Q,R)	TRANSISTOR	X2C1
Q10			2SB1188(Q,R)	TRANSISTOR	E5E6
Q11			2SA1576A	TRANSISTOR	
Q12			2SC4081	TRANSISTOR	
Q13			DTA123JK	DIGITAL TRANSISTOR	
Q14			2SA1576A	TRANSISTOR	
Q15			2SC4081	TRANSISTOR	
Q50			2SB1443	TRANSISTOR	
Q51			2SC4081	TRANSISTOR	
Q52			UMC2N	TRANSISTOR	
Q54			2SC4081	TRANSISTOR	
Q55			UMC2N	TRANSISTOR	
Q58			2SB1184	TRANSISTOR	
Q59			2SB1565	TRANSISTOR	
Q61			UMC2N	TRANSISTOR	
Q62			DTC114EUA	DIGITAL TRANSISTOR	
Q63			2SA1576A	TRANSISTOR	
Q64			2SB1565	TRANSISTOR	
Q65			2SA1576A	TRANSISTOR	
Q66			2SC4081	TRANSISTOR	
Q67			2SA1576A	TRANSISTOR	
Q68			2SC4617	TRANSISTOR	
Q69			2SA1774	TRANSISTOR	
Q70			2SC4617	TRANSISTOR	
Q150			UMC2N	TRANSISTOR	
Q151			2SA1774	TRANSISTOR	
Q152			2SC2873-F	TRANSISTOR	
Q200-202			DTC323TU	DIGITAL TRANSISTOR	
Q203			2SA1576A	TRANSISTOR	
Q204-207			DTC323TU	DIGITAL TRANSISTOR	
Q208			DTA144EUA	DIGITAL TRANSISTOR	
Q209			DTC323TU	DIGITAL TRANSISTOR	
Q250			DTC124EUA	DIGITAL TRANSISTOR	
Q252			2SB1689	TRANSISTOR	
Q403-406			DTC124EUA	DIGITAL TRANSISTOR	
Q500			DTA124EUA	DIGITAL TRANSISTOR	
TH100		✻	PRF18BE471QS2	POSITIVE RESISTOR	
A250	2H	✻	X86-3930-11	FRONT-END UNIT	K1R1X2
A250	2H	✻	X86-3932-70	FRONT-END UNIT	E5E6M2
A250	2H	✻	X86-3942-10	FRONT-END UNIT	C1

VIDEO UNIT (X35-448/449x-xx)

D603			B30-1605-05	LED (2COLOR PG/RED)			
C1,2		✻	C93-1396-05	CHIP C	10UF	25WV	
C3			C93-1283-05	CHIP C	1.0UF	K	
C5			C93-1363-05	CHIP C	10PF	3KWV	
C6			C93-1361-05	CHIP C	0.012UF	16WV	
C7			CK73GB1H473K	CHIP C	0.047UF	K	
C8			C93-1269-05	CHIP C	220PF	J	
C9			CK73GB0J225K	CHIP C	2.2UF	K	
C10			CK73GB1H103K	CHIP C	0.010UF	K	
C11			CK73GB0J225K	CHIP C	2.2UF	K	
C13			CK73GB1A474K	CHIP C	0.47UF	K	
C14			CK73HB1C103K	CHIP C	0.010UF	K	
C15			CK73GB1H473K	CHIP C	0.047UF	K	
C16			CK73HB1C183K	CHIP C	0.018UF	K	
C17			CK73HB1C103K	CHIP C	0.010UF	K	
C18			C93-1283-05	CHIP C	1.0UF	K	
C21			CK73GB0J225K	CHIP C	2.2UF	K	
C22			CK73HB1H152K	CHIP C	1500PF	K	
C23		✻	C93-1396-05	CHIP C	10UF	25WV	
C24			CK73GB1H103K	CHIP C	0.010UF	K	
C25		✻	C93-1286-05	CHIP C	0.0027UF	50WV	
C26			CK73GB1H103K	CHIP C	0.010UF	K	
C30			C93-1283-05	CHIP C	1.0UF	K	
C100			CC73GCH1H151J	CHIP C	150PF	J	
C101			CK73GB1H104K	CHIP C	0.10UF	K	
C102			CK73EB1C106K	CHIP C	10UF	K	
C103			CK73GB1H103K	CHIP C	0.010UF	K	
C105			CE32AU1C390M	CHIP EL	39UF	16WV	
C106			CK73GB1H103K	CHIP C	0.010UF	K	
C108			CE32AU1C390M	CHIP EL	39UF	16WV	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
X2 : KVT-747DVD (Australia) **R1** : KVT-747DVD (Latin America)
C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

VIDEO UNIT (X35-448/449x-xx)

Ref. No.	Add	New	Parts No.	Description			Destination
C109			CK73FB1C105K	CHIP C	1.0UF	K	
C110			CK73GB1H103K	CHIP C	0.010UF	K	
C111			C93-1367-05	CHIP C	10UF	25WV	
C112			CK73FB1E154K	CHIP C	0.15UF	K	
C113			CK73EB1E225K	CHIP C	2.2UF	K	
C114			CK73GB1C224K	CHIP C	0.22UF	K	
C115			CK73GB1H104K	CHIP C	0.10UF	K	
C116			CE32BF0J221M	CHIP EL	220UF	6.3WV	
C118			CK73GB1H103K	CHIP C	0.010UF	K	
C211			CK73EB1A475K	CHIP C	4.7UF	K	
C230			CK73GB1H103K	CHIP C	0.010UF	K	
C231,232		✻	C93-1396-05	CHIP C	10UF	25WV	
C233			CK73GB1H103K	CHIP C	0.010UF	K	
C234			CC73HCH1H560J	CHIP C	56PF	J	
C300			CK73GB1H103K	CHIP C	0.010UF	K	
C301,302		✻	C93-1396-05	CHIP C	10UF	25WV	
C303			CK73GB1H103K	CHIP C	0.010UF	K	
C304			CK73GB1H104K	CHIP C	0.10UF	K	
C305,306			CK73GB1H103K	CHIP C	0.010UF	K	
C307			CK73EB1C106K	CHIP C	10UF	K	
C308			CK73GB1H103K	CHIP C	0.010UF	K	
C309			CC73HCH1H100D	CHIP C	10PF	D	
C310			CK73HB1H561K	CHIP C	560PF	K	
C311			CK73HB1C103K	CHIP C	0.010UF	K	
C312			CK73GB1H103K	CHIP C	0.010UF	K	
C313,314			CK73HB1C103K	CHIP C	0.010UF	K	
C315,316			CK73GB1H104K	CHIP C	0.10UF	K	
C317			CK73HB1C103K	CHIP C	0.010UF	K	
C318,319			CK73GB1H104K	CHIP C	0.10UF	K	
C320			CC73HCH1H560J	CHIP C	56PF	J	
C321			CK73GB1H104K	CHIP C	0.10UF	K	
C322			CC73GCH1E102J	CHIP C	1000PF	J	
C323			CC73HCH1H101J	CHIP C	100PF	J	
C324,325			CK73HB1C103K	CHIP C	0.010UF	K	
C326			CC73GCH1H681J	CHIP C	680PF	J	
C327,328			CK73GB1H104K	CHIP C	0.10UF	K	
C329			CC73HCH1H101J	CHIP C	100PF	J	
C330			CK73EB1C106K	CHIP C	10UF	K	
C331,332			CC73HCH1H390J	CHIP C	39PF	J	
C333			CK73GB1H104K	CHIP C	0.10UF	K	
C334			CK73GB1H103K	CHIP C	0.010UF	K	
C335,336			CK73GB1H104K	CHIP C	0.10UF	K	
C337			CK73HB1C103K	CHIP C	0.010UF	K	
C342			CC73HCH1H100D	CHIP C	10PF	D	
C401			CK73HB1H102K	CHIP C	1000PF	K	
C421,422			CK73FB1C105K	CHIP C	1.0UF	K	
C423			CK73EB1C106K	CHIP C	10UF	K	
C424			CK73HB1C103K	CHIP C	0.010UF	K	
C425			CK73FB1C105K	CHIP C	1.0UF	K	
C426			CK73EB1E105K	CHIP C	1.0UF	K	
C427			CK73FB1A225K	CHIP C	2.2UF	K	
C428			CK73FB0J106K	CHIP C	10UF	K	
C501-503			CK73HB1C103K	CHIP C	0.010UF	K	
C504			CK73EB1C106K	CHIP C	10UF	K	
C505			CK73HB1H271K	CHIP C	270PF	K	

Ref. No.	Add	New	Parts No.	Description				Destination
CN1			E41-2483-05	PIN ASSY				
CN301		✻	E41-2526-05	FLAT CABLE CONNECTOR				
CN302		✻	E41-2547-05	FLAT CABLE CONNECTOR				
CN303		✻	E41-2444-05	FLAT CABLE CONNECTOR				
CN304		✻	E41-2435-05	FLAT CABLE CONNECTOR				
CN305			E41-2359-05	PIN ASSY				
CN501			E41-2087-05	FLAT CABLE CONNECTOR				
CN502		✻	E41-2547-05	FLAT CABLE CONNECTOR				
CN503		✻	E41-2564-05	FLAT CABLE CONNECTOR				
CN601		✻	E41-2548-05	FLAT CABLE CONNECTOR				
F1		✻	F53-0297-05	FUSE (UL, CSA)				
F100		✻	F53-0280-05	FUSE				
L1		✻	L19-0783-05	TRANSFORMER FOR CONVERTER				
L101,102			L41-3392-13	SMALL FIXED INDUCTOR (3.3UH)				
L103			L41-4792-13	SMALL FIXED INDUCTOR (4.7UH)				
L104-106			L41-1005-33	SMALL FIXED INDUCTOR (10U)				
L302,303			L41-1005-33	SMALL FIXED INDUCTOR (10U)				
L306			L41-5695-33	SMALL FIXED INDUCTOR (5.6U)				
L307		✻	L41-8281-15	SMALL FIXED INDUCTOR (0.82U)				
L401			L41-1005-33	SMALL FIXED INDUCTOR (10U)				
L501			L41-1005-33	SMALL FIXED INDUCTOR (10U)				
CP301,302			RK74HB1J102J	CHIP-COM	1.0K	J	1/16W	
CP303			RK74HB1J101J	CHIP-COM	100	J	1/16W	
R1			RK73HB1J512J	CHIP R	5.1K	J	1/16W	
R3			RK73HB1J220J	CHIP R	22	J	1/16W	
R4			RN73GH1J433D	CHIP R	43K	D	1/16W	
R5			RK73HB1J153J	CHIP R	15K	J	1/16W	
R6			RN73GH1J513D	CHIP R	51K	D	1/16W	
R7			RK73HB1J220J	CHIP R	22	J	1/16W	
R8			RK73HB1J512J	CHIP R	5.1K	J	1/16W	
R9			RK73GH2A244D	CHIP R	240K	D	1/10W	
R10			RK73HB1J331J	CHIP R	330	J	1/16W	
R11			RK73HB1J220J	CHIP R	22	J	1/16W	
R12			RK73HB1J105J	CHIP R	1.0M	J	1/16W	
R13			RK73HB1J220J	CHIP R	22	J	1/16W	
R14			RN73GH1J4530D	CHIP R	453.0	D	1/16W	
R15			RN73GH1J513D	CHIP R	51K	D	1/16W	
R16,17			RK73HB1J220J	CHIP R	22	J	1/16W	
R18			RK73HB1J222J	CHIP R	2.2K	J	1/16W	
R19			RK73HB1J101J	CHIP R	100	J	1/16W	
R21			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R22-26			RK73HB1J102J	CHIP R	1.0K	J	1/16W	
R28		✻	RK73GB2A515J	CHIP R	5.1M	J	1/10W	
R29			RK73GB2A104J	CHIP R	100K	J	1/10W	
R101			RK73GH2A104D	CHIP R	100K	D	1/10W	
R102			RK73GH2A113D	CHIP R	11K	D	1/10W	
R103			RK73GH2A184D	CHIP R	180K	D	1/10W	
R104			RK73GH2A133D	CHIP R	13K	D	1/10W	
R105			RK73HB1J473J	CHIP R	47K	J	1/16W	
R106			RK73HB1J103J	CHIP R	10K	J	1/16W	
R218			RK73HB1J102J	CHIP R	1.0K	J	1/16W	
R219			RK73HB1J513J	CHIP R	51K	J	1/16W	
R234			RN73GH1J472D	CHIP R	4.7K	D	1/16W	
R235			RN73GH1J912D	CHIP R	9.1K	D	1/16W	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
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⚠ Indicates safety critical components.

PARTS LIST

VIDEO UNIT (X35-448/449x-xx)

Ref. No.	Add	New	Parts No.	Description				Destination
R236			RN73GH1J222D	CHIP R	2.2K	D	1/16W	
R240			RK73HB1J220J	CHIP R	22	J	1/16W	
R242			RK73HB1J220J	CHIP R	22	J	1/16W	
R253			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R256,257			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R300			RK73GB2A103J	CHIP R	10K	J	1/10W	
R302			RK73HB1J221J	CHIP R	220	J	1/16W	
R307			RK73HB1J101J	CHIP R	100	J	1/16W	
R308			RK73HB1J621J	CHIP R	620	J	1/16W	
R309			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R310			RK73HB1J101J	CHIP R	100	J	1/16W	
R316			RK73HB1J102J	CHIP R	1.0K	J	1/16W	
R318			RK73HB1J102J	CHIP R	1.0K	J	1/16W	
R320			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R321			RN73GH1J472D	CHIP R	4.7K	D	1/16W	
R323			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R324,325			RN73GH1J472D	CHIP R	4.7K	D	1/16W	
R326			RK73HH1J473D	CHIP R	47K	D	1/16W	
R327			RK73HH1J683D	CHIP R	68K	D	1/16W	
R328			RK73HH1J153D	CHIP R	15K	D	1/16W	
R329			RK73HH1J101D	CHIP R	100	D	1/16W	
R330			RK73HH1J182D	CHIP R	1.8K	D	1/16W	
R331		✻	RK73HH1J331D	CHIP R	330	D	1/16W	
R332			RK73HH1J332D	CHIP R	3.3K	D	1/16W	
R333-335			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R337,338			RK73HB1J101J	CHIP R	100	J	1/16W	
R339			RK73HB1J102J	CHIP R	1.0K	J	1/16W	
R340-344			RK73HB1J101J	CHIP R	100	J	1/16W	
R345			RK73HH1J683D	CHIP R	68K	D	1/16W	
R346			RK73HH1J105D	CHIP R	1.0M	D	1/16W	
R347			RK73HH1J153D	CHIP R	15K	D	1/16W	
R348			RK73HB1J362J	CHIP R	3.6K	J	1/16W	
R349			RK73HB1J752J	CHIP R	7.5K	J	1/16W	
R350-352			RK73HB1J101J	CHIP R	100	J	1/16W	
R353			RK73HB1J103J	CHIP R	10K	J	1/16W	
R354		✻	RK73HB1J300J	CHIP R	30	J	1/16W	
R355			RK73HB1J820J	CHIP R	82	J	1/16W	
R356			RK73HB1J103J	CHIP R	10K	J	1/16W	
R357			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R359,360			RK73HB1J100J	CHIP R	10	J	1/16W	
R366			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R371			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R373,374			RK73HB1J561J	CHIP R	560	J	1/16W	
R385			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R388			RK73HB1J000JK	CHIP R	0.0	J	1/16W	
R402			RK73HB1J392J	CHIP R	3.9K	J	1/16W	
R403			RK73HB1J822J	CHIP R	8.2K	J	1/16W	
R404			RK73HB1J243J	CHIP R	24K	J	1/16W	
R422			RK73HB1J683J	CHIP R	68K	J	1/16W	
R423			RK73HB1J104J	CHIP R	100K	J	1/16W	
R441			RK73GB2A681J	CHIP R	680	J	1/10W	
R453			RK73GB2A681J	CHIP R	680	J	1/10W	
R454			RK73GB2A331J	CHIP R	330	J	1/10W	
R456			RK73GB2A331J	CHIP R	330	J	1/10W	
R501,502			RK73HB1J333J	CHIP R	33K	J	1/16W	

Ref. No.	Add	New	Parts No.	Description				Destination
R503-506			RK73EB2E100J	CHIP R	10	J	1/4W	
R600			RK73HB1J100J	CHIP R	10	J	1/16W	
R642			RK73HB1J471J	CHIP R	470	J	1/16W	
R652,653			RK73GB2A151J	CHIP R	150	J	1/10W	
R663,664			RK73GB2A271J	CHIP R	270	J	1/10W	
VR203			R32-0328-05	SEMI FIXED VARIABLE RESISTOR				
VR301			R32-0328-05	SEMI FIXED VARIABLE RESISTOR				
W216,217			RK73FB2B000J	CHIP R	0.0	J	1/8W	
W301-304			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W310			R92-1252-05	CHIP R	0 OHM	J	1/16W	
W354-356			R92-1252-05	CHIP R	0 OHM	J	1/16W	
S401-404		✻	S70-0937-05	TACT SWITCH				
S601			S70-0919-05	TACT SWITCH				
D1,2			UDZS4.7B	ZENER DIODE				
D3			1SS355	DIODE				
D4,5			DA204U	DIODE				
D6		✻	MA2S784-F	DIODE				
D7			UDZS5.6B	ZENER DIODE				
D9			DA204U	DIODE				
D10			AVRM1005270MAA	VARISTOR				
D101			EP05Q04	DIODE				
D102			EP05Q06	DIODE				
D103,104			EP05Q04	DIODE				
D301			UDZS5.1B	ZENER DIODE				
D302,303			DA204U	DIODE				
D304			UDZS5.1B	ZENER DIODE				
D305,306			DA204U	DIODE				
D309		✻	1SV231-F	VARIABLE CAPACITANCE DIODE				
D312,313			AVRM1608120M6A	VARISTOR				
D314			DA204U	DIODE				
D401			AVRM1608120M6A	VARISTOR				
D402-410			AVRM1608180M6A	VARISTOR				
D501-504			UDZS6.2B	ZENER DIODE				
D601,602			AVRM1608180M6A	VARISTOR				
IC1		✻	OZ964ISN-C	ANALOGUE IC				
IC101		✻	LT1947-PBF	ANALOGUE IC				
IC203		✻	TA75W558FU-F	ANALOGUE IC				
IC300		✻	TC7WH126FU-F	MOS-IC				
IC301		✻	TC200G02G0104	MOS-IC				
IC302			TC7SH08FU-F	MOS-IC				
IC303			NJM2107F-ZB	ANALOGUE IC				
IC401			TPS850	ANALOGUE IC				
Q1			2SC4081	TRANSISTOR				
Q2,3		✻	SI5513DC-E3	DUAL FET				
Q5			2SC4081	TRANSISTOR				
Q202			2SC4097	TRANSISTOR				
Q203			2SA1577	TRANSISTOR				
Q300			DTC124EUA	DIGITAL TRANSISTOR				
Q301			2SC4097	TRANSISTOR				
Q302,303			2SC4081	TRANSISTOR				
Q501			DTC124EE	DIGITAL TRANSISTOR				
Q502,503			PUMD10	DUAL TRANSISTOR				
Q601			DTC124EE	DIGITAL TRANSISTOR				

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⚠ Indicates safety critical components.

PARTS LIST

Ref. No.	Add	New	Parts No.	Description			Destination
DVD UNIT (X37-1070-00)							
C1-3			CK73HB1A104K	CHIP C	0.10UF	K	
C4,5			CK73HB0J105K	CHIP C	1.0UF	K	
C6			CK73GB0J475K	CHIP C	4.7UF	K	
C7			CK73FB0J106M	CHIP C	10UF	M	
C8			CK73FB0J226M	CHIP C	22UF	M	
C10			CK73HB1A104K	CHIP C	0.10UF	K	
C14			CK73FB0J106M	CHIP C	10UF	M	
C15			CK73HB0J105K	CHIP C	1.0UF	K	
C16			CK73HB1A104K	CHIP C	0.10UF	K	
C17			CK73HB0J105K	CHIP C	1.0UF	K	
C18			CK73HB1H332K	CHIP C	3300PF	K	
C19			CK73HB1A104K	CHIP C	0.10UF	K	
C20			CK73FB0J106M	CHIP C	10UF	M	
C21			CK73FB0J226M	CHIP C	22UF	M	
C23			CK73HB1A104K	CHIP C	0.10UF	K	
C24			CC73GCH1H471J	CHIP C	470PF	J	
C25			CK73HB1A104K	CHIP C	0.10UF	K	
C26			CK73HB1A473K	CHIP C	0.047UF	K	
C27			CK73HB1A104K	CHIP C	0.10UF	K	
C28			CK73HB1C103K	CHIP C	0.010UF	K	
C29			CK73HB0J105K	CHIP C	1.0UF	K	
C31			CK73HB1C223K	CHIP C	0.022UF	K	
C32			CC73HCH1H470J	CHIP C	47PF	J	
C33			CC73GCH1H102J	CHIP C	1000PF	J	
C35			CC73GCH1H102J	CHIP C	1000PF	J	
C36			CC73GCH1H681J	CHIP C	680PF	J	
C37			CK73HB1E682K	CHIP C	6800PF	K	
C38			CK73HB0J105K	CHIP C	1.0UF	K	
C39			CC73GCH1H331J	CHIP C	330PF	J	
C40			CC73GCH1H102J	CHIP C	1000PF	J	
C41			CK73HB0J105K	CHIP C	1.0UF	K	
C42			CC73GCH1H681J	CHIP C	680PF	J	
C43			CK73HB1H222K	CHIP C	2200PF	K	
C44			CK73HB1H152K	CHIP C	1500PF	K	
C45			CK73HB1H102K	CHIP C	1000PF	K	
C46			CK73HB1A104K	CHIP C	0.10UF	K	
C47-52			CK73HB0J105K	CHIP C	1.0UF	K	
C53			CK73HB1A104K	CHIP C	0.10UF	K	
C54,55			CK73HB0J105K	CHIP C	1.0UF	K	
C56			C93-1228-05	CHIP C	1.0UF	M	
C57,58			CK73HB0J105K	CHIP C	1.0UF	K	
C60			CK73HB0J105K	CHIP C	1.0UF	K	
C61			C93-1228-05	CHIP C	1.0UF	M	
C62,63			CC73HCH1H120J	CHIP C	12PF	J	
C64			CK73HB1C103K	CHIP C	0.010UF	K	
C66			CK73FB0J106M	CHIP C	10UF	M	
C67			C93-1228-05	CHIP C	1.0UF	M	
C68,69			CK73HB0J105K	CHIP C	1.0UF	K	
C70			CK73HB1A104K	CHIP C	0.10UF	K	
C71			CK73FB0J226M	CHIP C	22UF	M	
C72,73			CK73HB1A104K	CHIP C	0.10UF	K	
C76			CK73HB1A104K	CHIP C	0.10UF	K	
C80			CK73FB0J106M	CHIP C	10UF	M	

Ref. No.	Add	New	Parts No.	Description			Destination
C81			CK73FB0J226M	CHIP C	22UF	M	
C82			CK73HB1A104K	CHIP C	0.10UF	K	
C83,84			C92-1908-05	ELECTRO	47UF	6.3WV	
C85,86			CK73HB1H102K	CHIP C	1000PF	K	
C87-89			CK73HB1C103K	CHIP C	0.010UF	K	
C90			CK73HB1C223K	CHIP C	0.022UF	K	
C91			CK73HB1A333K	CHIP C	0.033UF	K	
C92,93			CK73HB1C103K	CHIP C	0.010UF	K	
C94			CK73GB0J475K	CHIP C	4.7UF	K	
C95			CK73FB0J106M	CHIP C	10UF	M	
C96			CK73FB0J226M	CHIP C	22UF	M	
C97			CK73HB1C103K	CHIP C	0.010UF	K	
C98			CK73GB0J475K	CHIP C	4.7UF	K	
C99			CK73FB0J226M	CHIP C	22UF	M	
C101			CK73FB0J226M	CHIP C	22UF	M	
C102			C92-1908-05	ELECTRO	47UF	6.3WV	
C104			CC73HCH1H100D	CHIP C	10PF	D	
C105-108			CC73HCH1H151J	CHIP C	150PF	J	
C109,110			CK73HB1H102K	CHIP C	1000PF	K	
C120,121			CK73HB1C223K	CHIP C	0.022UF	K	
CN1			E41-2194-05	FLAT CABLE CONNECTOR			
CN2			E41-2156-05	FLAT CABLE CONNECTOR			
CN3			E41-2158-05	FLAT CABLE CONNECTOR			
CN4			E41-2197-05	FLAT CABLE CONNECTOR			
CN5			E41-2189-05	FLAT CABLE CONNECTOR			
CN6			E41-2050-05	SOCKET FOR PIN ASSY			
L1-5			L92-0365-05	CHIP FERRITE			
X1			L77-2870-05	CRYSTAL RESONATOR (16.897849M)			
CP2-4			RK74HB1J103J	CHIP-COM	10K	J 1/16W	
CP5-9			RK74HB1J330J	CHIP-COM	33	J 1/16W	
CP10			RK74HB1J820J	CHIP-COM	82	J 1/16W	
R1			RK73GH2A101D	CHIP R	100	D 1/10W	
R2,3			RK73HB1J104J	CHIP R	100K	J 1/16W	
R8			RK73HB1J104J	CHIP R	100K	J 1/16W	
R10			RK73HB1J103J	CHIP R	10K	J 1/16W	
R11			RK73HB1J225J	CHIP R	2.2M	J 1/16W	
R12			RK73HB1J103J	CHIP R	10K	J 1/16W	
R15			RK73GH2A113D	CHIP R	11K	D 1/10W	
R16			RK73GH2A273D	CHIP R	27K	D 1/10W	
R18			RK73HB1J125J	CHIP R	1.2M	J 1/16W	
R21			RK73GH2A153D	CHIP R	15K	D 1/10W	
R22			RK73HB1J105J	CHIP R	1.0M	J 1/16W	
R23			RK73HB1J472J	CHIP R	4.7K	J 1/16W	
R24			RK73GH2A123D	CHIP R	12K	D 1/10W	
R25-27			RK73HB1J103J	CHIP R	10K	J 1/16W	
R28,29			RK73HB1J102J	CHIP R	1.0K	J 1/16W	
R30-32			RK73HB1J132J	CHIP R	1.3K	J 1/16W	
R33			RK73HB1J103J	CHIP R	10K	J 1/16W	
R34,35			RK73HB1J472J	CHIP R	4.7K	J 1/16W	
R36			RK73HB1J102J	CHIP R	1.0K	J 1/16W	
R37			RK73HB1J132J	CHIP R	1.3K	J 1/16W	
R38,39			RK73HB1J102J	CHIP R	1.0K	J 1/16W	
R40,41			RK73HB1J473J	CHIP R	47K	J 1/16W	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
X2 : KVT-747DVD (Australia) **R1** : KVT-747DVD (Latin America)
C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

DVD UNIT (X37-1070-00)

Ref. No.	Add	New	Parts No.	Description				Destination
R45			RK73HB1J105J	CHIP R	1.0M	J	1/16W	
R46			RK73HB1J152J	CHIP R	1.5K	J	1/16W	
R47			RK73HB1J472J	CHIP R	4.7K	J	1/16W	
R49			RK73HB1J273J	CHIP R	27K	J	1/16W	
R51			RK73HB1J102J	CHIP R	1.0K	J	1/16W	
R52			RK73HB1J132J	CHIP R	1.3K	J	1/16W	
R53			RK73HB1J103J	CHIP R	10K	J	1/16W	
R54			RK73HB1J220J	CHIP R	22	J	1/16W	
R55			RK73HB1J202J	CHIP R	2.0K	J	1/16W	
R56,57			RK73HB1J221J	CHIP R	220	J	1/16W	
R58			RK73GH2A273D	CHIP R	27K	D	1/10W	
R59			RK73GB2A150J	CHIP R	15	J	1/10W	
R61			RK73GB2A121J	CHIP R	120	J	1/10W	
R62			R92-3475-05	CHIP R	0.27	F	1/2W	
R63			RK73GB2A241J	CHIP R	240	J	1/10W	
R64			RK73HB1J222J	CHIP R	2.2K	J	1/16W	
R65,66			RK73HB1J103J	CHIP R	10K	J	1/16W	
R67			RK73HB1J472J	CHIP R	4.7K	J	1/16W	
R68,69			RK73HB1J102J	CHIP R	1.0K	J	1/16W	
R70,71			RK73GH2A123D	CHIP R	12K	D	1/10W	
R72			RK73GH2A333D	CHIP R	33K	D	1/10W	
R73			RK73GH2A203D	CHIP R	20K	D	1/10W	
R74			RK73HB1J123J	CHIP R	12K	J	1/16W	
R75			RK73HB1J152J	CHIP R	1.5K	J	1/16W	
R76			RK73HB1J751J	CHIP R	750	J	1/16W	
R77			RK73HB1J431J	CHIP R	430	J	1/16W	
R78			RK73HB1J472J	CHIP R	4.7K	J	1/16W	
R79			R92-5031-05	CHIP R	5.1	F	1/8W	
R80			RK73GB2A3R6J	CHIP R	3.6	J	1/10W	
R81			RK73HB1J134J	CHIP R	130K	J	1/16W	
R82			RK73HB1J103J	CHIP R	10K	J	1/16W	
R83			RK73HB1J820J	CHIP R	82	J	1/16W	
R84			RK73HB1J103J	CHIP R	10K	J	1/16W	
R85			RK73HB1J330J	CHIP R	33	J	1/16W	
R86-88			RK73HB1J820J	CHIP R	82	J	1/16W	
R89,90			RK73HB1J103J	CHIP R	10K	J	1/16W	
R91			RK73GH2A101D	CHIP R	100	D	1/10W	
R92			RK73HB1J104J	CHIP R	100K	J	1/16W	
R93			RK73HB1J222J	CHIP R	2.2K	J	1/16W	
R95			R92-5031-05	CHIP R	5.1	F	1/8W	
R96,97			RK73HB1J102J	CHIP R	1.0K	J	1/16W	
R98			R92-5025-05	CHIP R	3.3	F	1/8W	
R100,101			RK73HB1J510J	CHIP R	51	J	1/16W	
R102,103			RK73HB1J202J	CHIP R	2.0K	J	1/16W	
R104			RK73HB1J103J	CHIP R	10K	J	1/16W	
R105			RK73HB1J132J	CHIP R	1.3K	J	1/16W	
R106,107			RK73HB1J103J	CHIP R	10K	J	1/16W	
R108			RK73HB1J223J	CHIP R	22K	J	1/16W	
R109			RK73HB1J123J	CHIP R	12K	J	1/16W	
R110			RK73GH2A132D	CHIP R	1.3K	D	1/10W	
R117,118			RK73HB1J103J	CHIP R	10K	J	1/16W	
R120,121			RK73HB1J123J	CHIP R	12K	J	1/16W	
R122,123			RK73HB1J1R0J	CHIP R	1.0	J	1/16W	
W1-4			R92-1252-05	CHIP R	0 OHM	J	1/16W	

Ref. No.	Add	New	Parts No.	Description	Destination
S3-5			S68-0895-05	PUSH SWITCH	
D1,2			MAZS0510M	ZENER DIODE	
D3			MA4ZD03	DIODE	
D4-6			DAP202U	DIODE	
D7			MA2S111	DIODE	
IC1			AN22022A-V	ANALOGUE IC	
IC2			AN41204A	ANALOGUE IC	
IC3			M29W400DB55N6E	ROM IC	
IC4			MN103S71F	MOS-IC	
IC5			S-80829CNPF	ANALOGUE IC	
IC8			S-80813CNPF	ANALOGUE IC	
IC9			NJM2880U115	ANALOGUE IC	
IC10			NJM2886DL2-33	ANALOGUE IC	
IC11			S-24CS04AFT	ROM IC	
Q1,2			2SK3018	FET	
Q7,8			2SB0970	TRANSISTOR	
Q9,10			2SJ0536	FET	
Q11-14			DTA114YUA	DIGITAL TRANSISTOR	
TH1			TH11-3H103FT	THERMISTOR	

DVD MECHANISM ASSY (X92-5130-00)

1	1B		A10-5084-31	CHASSIS	
2	2B		A10-5083-21	CHASSIS ASSY	
3	3B		A11-1631-21	SUB CHASSIS	
4	1B		D10-4763-32	ARM	
5	1B		D10-4764-23	ARM	
7	2B		D10-4768-12	SLIDER	
8	2B		D10-4769-03	SLIDER	
9	2A		D10-4771-02	SLIDER	
10	2A		D10-4772-03	SLIDER	
11	2A		D10-4773-13	SLIDER	
12	2B		D10-4774-03	LEVER	
13	2B		D10-4776-23	ARM	
14	3A		D10-4795-23	ARM	
17	3B		D12-0638-13	CAM	
21	2B		D13-2298-04	GEAR	
22	2B		D13-2299-04	GEAR	
23	2B		D13-2303-04	GEAR	
24	2B		D13-2305-04	GEAR	
25	2B		D13-2306-04	GEAR	
26	1A		D13-2308-04	GEAR	
27	1A		D13-2309-04	GEAR	
28	3B		D13-2316-24	GEAR ASSY	
29	2B		D13-2300-14	GEAR	
30	2A		D14-0799-14	ROLLER	
31	2A		D14-1006-04	ROLLER	
33	3A		D21-2429-13	SHAFT	
36	1A		D39-0259-05	DAMPER	
37	2B		E39-0556-05	LEAD WIRE	
VFC1	2A		E39-0602-05	FLAT CABLE	
38	3A		F07-1134-12	COVER	
39	3A		F09-1930-14	SHEET	
40	3A		F09-1960-04	SHEET	
44	3A		F09-1870-04	SHEET	

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
X2 : KVT-747DVD (Australia) **R1** : KVT-747DVD (Latin America)
C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

PARTS LIST

DVD MECHANISM ASSY (X92-5130-00)

Ref. No.	Add	New	Parts No.	Description	Destination
45	2B		G01-3192-04	EXTENSION SPRING	
46	2A		G01-3194-24	EXTENSION SPRING	
47	1B		G01-3195-14	EXTENSION SPRING	
48	2A		G01-3206-24	TORSION COIL SPRING	
49	2A		G01-3207-24	TORSION COIL SPRING	
50	3A		G01-3209-04	COMPRESSION SPRING	
51	3A		G02-1468-04	FLAT SPRING	
52	2B		G02-1504-33	FLAT SPRING ASSY	
53	1B		G02-1466-24	FLAT SPRING	
54	3B		G02-1488-04	FLAT SPRING	
55	3A		G02-1473-04	FLAT SPRING	
56	1B		G11-3614-04	CUSHION (SR-S-24P)	
57	3B		G11-3622-04	CUSHION (PORON)	
58	2B		J11-0654-13	CLAMPER	
59	1A		J22-0042-12	MOUNTING HARDWARE	
60	1B		J22-0043-12	MOUNTING HARDWARE	
61	3B		J22-0044-03	MOUNTING HARDWARE	
62	1A		J22-0103-23	MOUNTING HARDWARE ASSY	
63	2B		J22-0177-14	MOUNTING HARDWARE	
64	1A		J90-1066-41	GUIDE	
65	1B		J90-1067-13	GUIDE	
66	1B		J90-1087-32	GUIDE	
67	1B		J90-1088-32	GUIDE	
A	2A		N09-6143-05	MACHINE SCREW	
B	1A		N09-6144-05	MACHINE SCREW	
C	3B		N09-6145-05	MACHINE SCREW	
D	3B		N09-6156-05	MACHINE SCREW (M1.4X1.6)	
E	1B		N09-6230-05	MACHINE SCREW	
F	1A		N19-2192-04	FLAT WASHER	
G	3B		N09-6133-05	MACHINE SCREW (SERRATED)	
H	3A		N09-6134-05	STEPPED SCREW (STEPPED)	
J	3A		N09-6203-05	MACHINE SCREW	
K	3A		N09-6221-15	MACHINE SCREW (P 1.4X3.5)	
L	2A		N09-6308-05	MACHINE SCREW (P 1.4X4.5)	
M	2A		N19-2183-14	FLAT WASHER	
VM1	2A		T42-1321-05	MOTOR ASSY	
VM2	3A		T42-1084-15	MOTOR ASSY	
VM3	2B		X94-2000-00	MOTORASSY (LO)	
71	2A		X94-2010-00	ROLLER ASSY	
VPU1	3B		X94-2020-00	OPTICAL PICKUP ASSY	

Ref. No.	Add	New	Parts No.	Description	Destination

E5 : KVT-627DVD **E6** : KVT-627DVDY (Europe)
K1 : KVT-717DVD (North America)
X2 : KVT-747DVD (Australia) **R1** : KVT-747DVD (Latin America)
C1 : KVT-767DVD (China) **M2** : KVT-737DVD (Other Areas)

⚠ Indicates safety critical components.

SPECIFICATIONS (KVT-717DVD/747DVD/767DVD)

■ Main Unit

Monitor Section

Picture size
- KVT-717DVD/747DVD(R) ..... 6.95 inches (diagonal) wide
- KVT-747DVD(X)/767DVD ..... 6.95 inches wide
- W x H ..... 154.1 W x 87.1 H (mm)

Display system ..... Transparent TN LCD panel
Drive system ..... TFT active matrix system
Number of pixels ..... 336,960 (480H x 234V x RGB)
Effective pixels 99.99%
Pixel arrangement ..... RGB striped arrangement
Back lighting ..... Cold Cathode Fluorescent Tube

DVD Section

D/A Converter 24Bit
Decoder ..... Linear PCM/Dolby Digital/dts/MP3/WMA
Wow & Flutter ..... Below Measurable Limit
Frequency response
- 96k Sampling ..... 20~22,000Hz
- 48k Sampling ..... 20~22,000Hz
- 44.1k Sampling ..... 20~20,000Hz

Total harmonic distortion 1kHz 0.007%
Signal to Noise ratio ..... 98dB (DVD-Video 96k)
Dynamic range ..... 98dB (DVD-Video 96k)
DISC Format ..... DVD-Video/VIDEO-CD/CD-DA
Sampling frequency 44.1kHz/48kHz, 96kHz
Quantifying bit number 16/20/24bit

■ Hideaway Unit

FM

Frequency range (Frequency step)
- KVT-717DVD/747DVD(R) ..... 87.9~107.9MHz (200kHz)
- KVT-747DVD(X)/767DVD ..... 87.5~108.0MHz (50kHz)

Usable sensitivity (S/N : 30dB) 9.3dBf (0.8µV/75Ω)
Quieting sensitivity (S/N : 50dB) 15.2dBf (1.6µV/75Ω)
Frequency response (±3.0dB) ..... 30Hz~15kHz
S/N ..... 70dB (MONO)
Selectivity ..... Over 80dB (±400kHz)
Stereo separation 40dB (1kHz)

AM

Frequency range (Frequency step)
- KVT-717DVD/747DVD(R) ..... 530kHz~1700kHz (10kHz)
- KVT-747DVD(X)/767DVD ..... 531kHz~1611kHz (9kHz)

Usable sensitivity 28dBµ

Video

Color system of external video input
- KVT-717DVD/747DVD(R) ..... NTSC
- KVT-747DVD(X)/767DVD ..... NTSC/PAL

External video input level (RCA jacks) 1Vp-p/75Ω
External audio max input level (RCA jacks) 1V/22kΩ
Analog RGB input 0.7Vp-p/75Ω

Audio

Maximum Power (Front & Rear) ..... 50W x 4
Full Bandwidth Power (Front & Rear)
..... 22W x 4 (at less than 1% THD)
Preout level 5V/10kΩ
Preout impedance 80Ω
Tone
- Bass ..... 100Hz±10dB
- Middle ..... 1kHz±10dB
- Treble ..... 10kHz±10dB

■ General

Operating voltage ..... 14.4V (11V~16V)
Current consumption 15A
Dimensions (W x H x D)
- Main Unit Installation size
  ..... 182 x 53 x 161 (mm) / 7-3/16 x 2-1/16 x 6-3/8 (inch)
- Hideaway unit
  ..... 225 x 40 x 168 (mm) / 8-7/8 x 1-9/16 x 6-5/8 (inch)

Operational temperature range ..... -10°C~60°C
Storage temperature range ..... -20°C~85°C
Weight
- Main unit ..... 2.2kg / 4.9 lbs
- Hideaway unit ..... 1.1kg / 2.4 lbs

KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.

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SPECIFICATIONS (KVT-627DVD/627DVDY/737DVD)

■ Main Unit

Monitor Section

Picture size ..... 6.95 inches wide
W x H ..... 154.1 W x 87.1 H (mm)
Display system ..... Transparent TN LCD panel
Drive system ..... TFT active matrix system
Number of pixels ..... 336,960 (480H x 234V x RGB)
Effective pixels 99.99%
Pixel arrangement ..... RGB striped arrangement
Back lighting ..... Cold Cathode Fluorescent Tube

DVD Section

D/A Converter 24Bit
Decoder ..... Linear PCM/Dolby Digital/dts/MP3/WMA
Wow & Flutter ..... Below Measurable Limit
Frequency response
96k Sampling ..... 20~22,000Hz
48k Sampling ..... 20~22,000Hz
44.1k Sampling ..... 20~20,000Hz
Total harmonic distortion 1kHz 0.007%
Signal to Noise ratio ..... 98dB (DVD-Video 96k)
Dynamic range ..... 98dB (DVD-Video 96k)
DISC Format ..... DVD-Video/VIDEO-CD/CD-DA
Sampling frequency 44.1kHz/48kHz, 96kHz
Quantifying bit number 16/20/24bit

■ Hideaway Unit

FM

Frequency range (Frequency step)
..... 87.5~108.0MHz (50kHz)
Usable sensitivity (S/N : 26dB) 9.3dBf (0.7μV/75Ω)
Quieting sensitivity (S/N : 46dB) 15.2dBf (1.6μV/75Ω)
Frequency response (±3.0dB) ..... 30Hz~15kHz
S/N
KVT-627DVD/627DVDY ..... 65dB (MONO)
KVT-737DVD ..... 70dB (MONO)
Selectivity ..... Over 80dB (±400kHz)
Stereo separation
KVT-627DVD/627DVDY 35dB (1kHz)
KVT-737DVD 40dB (1kHz)

MW

Frequency range (Frequency step)
..... 531kHz~1611kHz (9kHz)
Usable sensitivity 25μV

LW

Frequency range ..... 153kHz~281kHz
Usable sensitivity 45μV

Video

Color system of external video input ..... NTSC/PAL
External video input level (RCA jacks) 1Vp-p/75Ω
External audio max input level (RCA jacks) 1V/22kΩ
Analog RGB input 0.7Vp-p/75Ω

Audio

Maximum Power (Front & Rear) ..... 50W x 4
Full Bandwidth Power (Front & Rear)
KVT-627DVD/627DVDY 30W x 4 (PWR DIN45324, +B=14.4V)
KVT-737DVD ..... 22W x 4 (at less than 1% THD)
Preout level 5V/10kΩ
Preout impedance 80Ω
Tone
Bass ..... 100Hz±10dB
Middle ..... 1kHz±10dB
Treble ..... 10kHz±10dB

■ General

Operating voltage ..... 14.4V (11V~16V)
Current consumption 15A
Dimensions (W x H x D)
Main Unit Installation size ..... 182 x 53 x 161 (mm)
Hideaway unit ..... 225 x 40 x 168 (mm)
Operational temperature range ..... -10°C~60°C
Storage temperature range ..... -20°C~85°C
Weight
Main unit 2.2kg
Hideaway unit 1.1kg

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